World's Columbian Exposition, Chicago, 1893.

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CATALOGUE

OF

NEW SOUTH WALES EXHIBITS.

DEPARTMENT L.

Liberal Arts, Education, Literature, Engineering, Public Works, Music, and the Drama.

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OCT 20 1893

Sydney:
CHARLES POTTER, GOVERNMENT PRINTER, PHILLIP-STREET.

1893.

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Department L.

LIBERAL ARTS, EDUCATION, LITERATURE, ENGINEERING, PUBLIC WORKS, MUSIC, AND THE DRAMA.

Committee XI on Liberal Arts, Education, and Ethnology.

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Secretary.

CLASSIFICATION.

Group 147.—Physical Development, Training, and Condition—Hygiene.

Class 824.—The nursery and its accessories.

Class 825.—Athletic training and exercise gymnasium; apparatus for physical development and of gymnastic exercises and amusement. Skating, walking, climbing, ball-playing, wrestling, acrobatic exercises; rowing, hunting, &c. Special apparatus for training in schools, gymnasia, apparatus for exercise, drill, &c.

Class 826.—Alimentation—Food supply and its distribution; adulteration of food; markets; preparation of food; cooking and serving; school kitchens and arrangements for school canteens; methods of warming children's meals, &c. Dinner-pails or receptacles for carrying meals for school children, working men, and others. Restaurants, dining-halls, refectories, &c.

Class 827.—Dwellings and buildings characterised by the conditions best adapted to health and comfort, including dwellings for working men and factory operatives; houses and villages for operatives in connection with large manufacturing establishments; tenement houses, "flats," and suites of apartments; city and country residences, club-houses, school-houses; designs and models of improved buildings for elementary schools, infant schools, and creches; court-rooms, theatres, churches, &c.

Class 828.—Hotels, lodging-houses.

Class 829.—Public baths, lavatories; public and domestic hygiene. Sanitation—Sanitary appliances and methods for dwelling-houses, buildings, and cities. Direct renewal of air—Heating, ventilating, lighting, in their relation to health. Conduits of water and sewage. Drains and sewers. Flushing tanks, hydraulic syphons, water-closets, public and private latrines. Sinks, night-soil apparatus, sanitary plumbing, walls, bricks, roofs, flooring, &c. Sanitary house decoration—Non-poisonous paints and wall-papers, floor coverings, washables, decorations, &c.

Apparatus for carrying off, receiving, and treating sewage. Slaughter-house refuse, city garbage.

Apparatus and methods for filtering water and cleansing watercourses.

Apparatus intended for the prevention of infectious diseases. Methods, materials, and instruments for purifying and destroying germs and disinfecting.

Apparatus and fittings for warming, ventilating, and lighting schools; school latrines, closets, &c.

Special school fittings for storing and drying clothing.

Precaution in schools for preventing the spread of infectious diseases; school sanitaria, infirmaries, &c.

Department L.—Liberal Arts, Education, Literature, &c.

CLASSIFICATION.

Class 830.—Hygiene of the workshop and factory. (Classification modified from that of the London Health Exhibition.)

Designs and models for improvement in the arrangement and construction of workshops, especially those in which dangerous or unwholesome processes are conducted.

Apparatus and fittings for preventing or minimising the danger to health or life from carrying on certain trades. Guards, screens, air-jets, preservative solutions, washes, &c.

Objects of personal use—Mouth-pieces, spectacles, dresses, hoods, &c., for use in certain unhealthy and poisonous trades.

Illustrations of diseases and deformities caused by unwholesome trades and professions; methods of combating these diseases; preservative measures, &c.

Sanitary construction and inspection of workshops, factories, and mines; new inventions or improvements for ameliorating the condition of life of those engaged in unhealthy occupations; means for economising human labour in various industrial operations.

Class 831.—Asylums and Homes—Asylums for infants and children; foundling and orphan asylums; children's aid societies. Homes for aged men and women; for the maimed and deformed; for soldiers and for sailors.

Treatment of paupers; alms-houses.

Treatment of aborigines; Indian reservations and homes.

Class 832.—Hospitals, dispensaries, &c.; plans, models, statistics. Shed hospitals for infectious fevers and epidemic diseases; tent hospitals; hospital ships; furniture and fittings for sick rooms.

Class 833.—Protective supervision—Sanitary supervision; vaccination and its enforcement; isolation of contagious diseases; quarantine; prevention and elimination of animal epidemics.

Food inspection—Treatment of adulterated foods; inspection and analysis; treatment of stale food substances; regulation of abattoirs, mills, &c.; regulation of sale of horses; protective devices.

Building inspection, &c.—Building regulations and inspection; building drainage and plumbing; fire regulations, fire escapes, &c.

Personal inspection.—Colour tests, &c.; professional examination for licenses.

Immigration.—Reception, care, and protection of immigrants.

Group 148.—Instruments and Apparatus of Medicine, Surgery, and Prosthesis.

Class 834.—Pharmacology, drugs, pharmacy, &c.—Medicines, officinal (in any authoritative pharmacopœia) articles of the materia medica, preparations unofficinal. (See Group 87.)

Class 835.—Dietetic preparations intended especially for the sick. (For beef extracts, see Class 38.)

Class 836.—Instruments for physical diagnosis, clinical thermometers, stethoscopes, ophthalmoscopes, &c.

Department L.—Liberal Arts, Education, Literature, &c.

CLASSIFICATION.

Class 837.—Surgical instruments, appliances, and apparatus, with dressings, anæsthetics, antiseptics; obstetrical instruments, &c.

Class 838.—Prosthesis.—Apparatus for correcting deformities; artificial limbs.

Class 839.—Instruments and apparatus of dental surgery and prosthesis.

Class 840.—Vehicles and appliances for the transportation and relief of the sick and wounded, during peace or war, on shore or at sea. (See also Department G.)

Group 149.—Primary, Secondary, and Superior Education.

Class 841.—Elementary instruction—Infant schools and kindergartens. Descriptions of the methods of instruction, with statistics.

Class 842.—Primary schools, city and country—School-houses and furniture. Apparatus and fittings. Models and appliances for teaching, text-books, diagrams, examples. Specimens of work in elementary schools.

Class 843.—Domestic and industrial training for girls—Models and apparatus for the teaching of cookery, housework, washing and ironing, needle-work and embroidery, dress-making, artificial flower-making, painting on silk, crockery, &c. Specimens of school work.

Class 844.—Handicraft teaching in schools for boys—Apparatus and fittings for elementary trade teaching in schools. Specimens of school work.

Class 845.—Science teaching—Apparatus and models for elementary science instruction in schools. Apparatus for chemistry, physics, mechanics, &c.; diagrams, copies, text-books, &c.; specimens of the school work in these subjects.

Class 846.—Art teaching.—Apparatus, models, and fittings for elementary art instruction in schools; diagrams, copies, text-books, &c.; specimens of art work, modelling, &c., in schools.

Class 847.—Technical and apprenticeship schools—Apparatus and examples used in primary and secondary schools for teaching handicraft; models, plans, and designs for the fitting up of workshop and industrial schools; results of industrial work done in such schools.

Class 848.—Special schools for the elementary instruction of Indians.

Class 849.—Education of defective classes—Schools for the deaf, dumb, blind, and feeble-minded; adult schools for the illiterate.

Class 850.—Public schools—Descriptions, illustrations, statistics, methods of instruction, &c.

Class 851.—Higher education—Academies and high schools. Descriptions and statistics.

Colleges and universities—Descriptions, illustrations of the buildings, libraries, museums, collections, courses of study, catalogues, statistics, &c.

Class 852.—Professional schools—Theology, law, medicine and surgery, dentistry, pharmacy; mining, engineering, agriculture, mechanic arts; art and design; military, naval, normal, commercial; music.

Class 853.—Government aid to education—National Bureau of Education. Reports and statistics.

Department L.—Liberal Arts, Education, Literature, &c.

CLASSIFICATION.

Group 150.—Literature, Books, Libraries, Journalism.

Class 854.—Books and literature, with special examples of typography, paper, and binding. General works—Philosophy, religion, sociology, philology, natural sciences, useful arts, fine arts, literature, history, and geography; cyclopedias, magazines, and newspapers; bindings, specimens of typography.

Class 855.—School books.

Class 856.—Technical industrial journals.

Class 857.—Illustrated papers.

Class 858.—Newspapers and statistics of their multiplication, growth, and circulation.

Class 859.—Journalism, statistics of: with illustrations of methods, organization and results.

Class 860.—Trade catalogues and price-lists.

Class 861.—Library apparatus; systems of cataloguing and appliances of placing and delivering books.

Class 862.—Directories of cities and towns.

Class 863.—Publications by governments.

Class 864.—Topographical maps. Marine and coast charts; geological maps and sections; botanical. agronomical, and other maps, showing the extent and distribution of men, animals, and terrestrial products; physical maps; meteorological maps and bulletins; telegraphic routes and stations; railway and route maps; terrestrial and celestial globes, relief maps and models of portions of the earth's surface, profiles of ocean beds and routes of submarine cables.

Group 151.—Instruments of Precision, Experiment, Research, and Photography. Photographs.

Class 865.—Weights, measures; weighing and meteorological apparatus—Balances of precision, instruments for mechanical calculation, adding machines, pedometers, cash registers, water and gas meters, &c.; measures of length, graduated scales, &c.

(For ordinary commercial forms, see also Group 112.)

(For testing machines, see Class 490.)

Class 866.—Astronomical iustruments and accessories—Transits, transit circles, mural circles, zenith sectors, altazimeters, equatorials, collimators, comet-seekers.

Class 867.—Geodetic and surveying instruments—Transits, theodolites, artificial horizons, surveyors' compasses, goniometers; instruments for surveying underground in mines, tunnels, and excavations; pocket sextants, plane tables and instruments used with them; ships' compasses, sextants, quadrants, repeating circles, dip-sectors, &c.

Class 868.—Levelling instruments and apparatus—hand-levels, water-levels, engineers' levels, of all patterns and varieties; cathetometers, levelling staves, targets, and accessory apparatus.

Class 869.—Hydrographic surveying; deep sea sounding.

Class 870.—Photometric apparatus and methods.

Department L.—Liberal Arts, Education, Literature, &c.

CLASSIFICATION.

Class 871.—Photographic apparatus and accessories. Photographs.

Class 872.—Meteorological instruments and apparatus, with methods of recording, reducing and reporting observations. Thermometers—mercurial, spirit, air; ordinary or self-registering, maximum and minimum. Barometers—mercurial, aneroid; anemometers, rain gauges, etc.

Class 873.—Chronometric apparatus—Chronometers, watches of precision, astronomical clocks, church and metropolitan clocks, clepsydras, hour-glasses, sun-dials, chronographs, electrical clocks, metronomes, (For commercial clocks and watches, see also Group 99.)

Class 874.—Optical and thermometric instruments and apparatus.

Class 875.—Electric and magnetic apparatus. (See also Department J.)

Class 876.—Accoustic apparatus.

Group 152.—Civil Engineering, Public Works, Constructive Architecture.

Class 877.—Land surveying, topographical surveying—Surveys and locations of towns and cities, with systems of water supply and drainage.

Class 878.—Surveys of coasts, rivers, and harbours.

Class 879.—Construction and maintenance of roads, streets, pavements, etc.

Class 880.—Bridge engineering (illustrated by drawings and models.)

Bridge designing—Drawings and charts, showing methods of calculating stresses.

Foundations, piers, abutments and approaches of stone, wood, etc.

Arch bridges of stone, wood or iron.

Suspension bridges of fiber, iron chain, and cable.

Truss bridges of wood, iron and steel—Pony, bow-string and plate girders, lattice girders, Fink, Bollman, Howe, Pratt, Warren, Post, Long, Whipple and other trusses of special design.

Cantilever bridges, draw-bridges, rolling and swinging machinery.

Tubular bridges.

Railway, aqueduct, and other bridges of special design not elsewhere classed.

(A chart showing date of completion, span, rise, weight, and cost of the great bridges of the world, would be of interest.)

Class 881.—Subaqueous constructions—Foundations, piers, harbours, breakwaters, building of dams, water-works and canals.

Class 882.—Irrigation—Irrigating canals and systems.

Class 883.—Railway engineering—Surveying, locating and constructing railways.

Class 884.—Dynamic and industrial engineering—The construction and working of machines; examples of planning and construction of manufacturing and metallurgical establishments.

Class 885.—Mine engineering—Surveying underground, construction of tunnels, subaqueous tunnels, etc.; locating and sinking shafts, inclines, and winzes; driving levels, draining, ventilating and lighting. (See also Department E.)

Department L.—Liberal Arts, Education, Literature, &c.

CLASSIFICATION.

Class 886.—Military engineering—Construction of earthworks, breastworks, and temporary fortifications.

Class 887.—Permanent works—Fortifications, magazines, arsenals, mines.

Class 888.—Roads, bridges, pontoons, &c.; movement of troops and supplies.

Class 889.—Constructive architecture—Plans of public buildings for special purposes; large and small dwelling-houses.

Drawings and specifications for foundations, walls, partitions, floors, roofs, and stairways.

Estimates of amount and cost of material.

Designs and models of special contrivances for safety, comfort, and convenience in the manipulation of elevators, doors, windows, &c.

Working plans for the mason, carpenter, and painter; designs and models of bonds, arches, coping, vaulting, &c.; plastering and construction of partitions; painting and glazing.

Plans of appliances for hoisting, handling, and delivering building materials to artisans.—Scaffolding and ladders, special scaffolding for handling great weights; portable cranes and power elevators.

Illustrations of the strength of materials.

Plans and sections of special architectural forms; metallic floor-beams and girders; hollow bricks and other architectural pottery for heating and ventilation; metallic cornice and conduits, shingles and sheathing, glass roofs, floors, and accessories, architectural hardware.

Methods of combining materials.

Protection of foundations, areas, and walls against water.

Working plans for paving and draining.

Group 153.—Government and Law.

Class 890.—Various systems of Government illustrated—Government departments, legislative, executive, and judicial.

Class 891.—International law and relations—Fac-similes of treaties, &c.

Class 892.—Protection of property in inventions—Patent offices and their functions, statistics of inventions and patents.

Class 893.—Postal systems and the appliances of the postal service—Letter-boxes, pouches, mail-bags, postage stamps, &c.

Class 894.—Punishment of crime—Prisons and reformatories, prison management and discipline, transportation of criminals, penal colonies, houses of correction, reform schools, naval or marine discipline, punishment at sea, police stations, night lock-ups, &c.; dress and equipment of prisoners, examples of convict workmanship.

Group 154.—Commerce, Trade, and Banking.

Class 895.—History and statistics of trade and commerce.

Class 896.—Railway and transportation companies.

Class 897.—Methods and media of exchange—Money, coins, paper money, &c.

Department L.—Liberal Arts, Education, Literature, &c.

CLASSIFICATION.

Class 898.—Counting-houses, stores, and shops—Arrangement, furniture, fittings; methods of management, book-keeping, devices for distributing change and goods to customers.

Class 899.—Warehouse and storage systems—Grain elevators.

Class 900.—Boards of Trade and their functions illustrated.

Class 901.—Exchanges for produce, metals, stocks, &c.

Class 902.—Insurance companies.

Class 903.—Banks and Banking—Illustrations of buildings, interiors, methods, and statistical information; clearing-houses, &c.; savings and trust institutions.

Class 904.—Safes and vaults for storage of treasure and valuables; safe deposit companies.

Class 905.—Book-keeping—Books and systems of book-keeping and accounting, commercial blank forms, &c.

Class 906.—Express companies, freighting, &c.

Group 155.—Institutions and Organisations for the Increase and Diffusion of Knowledge.

Class 907.—Institutions founded for the increase and diffusion of knowledge, such as the Smithsonian Institution, the Royal Institution, the Institute of France, British Association for the Advancement of Science, and the American Association, &c.; their organisation, history, and results.

Class 908.—Academies of science and letters—Learned and scientific associations, geological and mineralogical societies, &c.; engineering, technical, and professional associations; artistic, biological, zoological, medical, astronomical societies and organisations.

Class 909.—Museums, collections, art galleries, exhibitions of works of art and industry; agricultural fairs, state and county exhibitions, national exhibitions, international exhibitions, international congresses.

Class 910.—Publication societies.

Class 911.—Libraries—Public and private; statistics of operations.

Group 156.—Social, Industrial, and Co-operative Associations.

Class 912.—Social organisations—Clubs (political, military, university, travellers'; press clubs, science clubs, and others).

Class 913.—Political societies and organisations.

Class 914.—Workingmen's unions and associations—Their organisation, statistics, and results.

Class 915.—Industrial organisations.

Class 916.—Co-operative trading associations.

Class 917.—Secret societies.

Class 918.—Miscellaneous organisations for promoting the material and moral well-being of the industrial classes.

Department L.—Liberal Arts, Education, Literature, &c.

CLASSIFICATION.

Group 157.—Religious Organisations and Systems—Statistics and Publications.

Class 919.—Religious organisations and systems—Origin, nature, growth, and extent of various religious systems and faiths. Statistical, historical, and other illustrations; pictures of buildings; plans and views of interiors.

Class 920.—Religious music, choirs, hymnology.

Class 921.—Missionary societies, missions, and missionary work; maps, reports, statistics.

Class 922.—Spreading the knowledge of religious systems by publications; Bible societies, tract societies, and their publications.

Class 923.—Systems and methods of religious instruction and training for the young; Sunday-schools, furniture, apparatus, and books.

Class 924.—Associations for religious or moral improvement.

Class 925.—Charities and charitable associations connected with ecclesiastical societies.

Group 158.—Music and Musical Instruments—The Theatre.

Class 926.—History and theory of music.—Music of primitive people. Crude and curious instruments. Combinations of instruments, bands and orchestras. Music books and scores. Musical notation.
History and literature of music. Portraits of great musicians.

Class 927.—Self-vibrating instruments.—Drums and tambourines; cymbals, triangles, gongs, castanets, "bones."
Bells, chimes and peals.
Bell-ringers' instruments. Musical glasses.
Glockenspiels, zylophones, marimbas.
Music boxes.

Class 928.—Stringed instruments played with the fingers or plectrum.
Lutes, guitars, banjos, and mandolins.
Harps and lyres.
Zithers, dulcimers.

Class 929.—Stringed instruments played with the bow.
The violin.
The viol, viola, viola da gamba, viola di amore.
The violincello and the bass viol.
Mechanical instruments.—Hurdy-gurdy and violin piano.

Class 930.—Stringed instruments with key-board.—The pianoforte—square, upright, and grand.
Actions and parts of a piano.
The predecessors of the piano.—Clavicytherium clavicymbal, clavichord, manichord, virginal, spinet, harpsichord, and hammer harpsichord.
Instruments and methods of manufacture.
Street pianos.

Class 931.—Wind instruments, with simple aperture or plug mouth-piece.
The flute, flute-a-bec. Syrinx. Organ-pipes. Flageolet.

Class 932.—Wind instruments, with mouth-piece regulated by the lips.
The clarionet, oboe, and saxophone.

Department L.—Liberal Arts, Education, Literature, &c.

CLASSIFICATION.

Class 933.—Wind instruments with bell mouth-piece, without keys. The trumpet (simple) and the bugle. Oliphant. Alpenhorn. The trombone (with slide and with finger-holes). The serpent, bassoon, and bagpipe.

Class 934.—Wind instruments with bell mouth-piece, with keys. Key bugles, cornets, French horns. Cornopeans, orphicleides.

Class 935.—Wind instruments with complicated systems.
The pipe organ.
Reed organs, melodeons, and harmonicas.
Accordions, concertinas, and mouth organs.
Hand organs and organettes. Automatic organs, orchestrions, &c.

Class 936.—Accessories of musical instruments—strings, reeds, bridges.
Conductor's batons, drum-majors' staves. Mechanical devices for the orchestra.
Tuning-forks, pitch-pipes, metronomes, music-stands, &c.

Class 937.—Music in relation to human life.—Musical composers. Great performers. Great singers. Portraits. Biographies.
Concerts and the concert stage.
The opera. The oratorio. Masses.
Church music and sacred music of all periods. Hymnology, ballads, folk-song, and folk-music of all lands. National airs.

Class 938.—The theatre and the drama. The stage. Plans and models of stages and theatres.
History of the drama, so far as can be shown by literary record. Portraits of actors. Relics of actors.
Play-bills, &c. Costumes, masks, armour. Scenery. Appliances of illusion, &c. Plays of all ages and peoples.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLVII—Classes 825 and 829 : Athletic Training, Sanitary Appliances, &c.

Group CXLVII.—Physical Development, Training, and Condition. Hygiene.

CLASS 825.—Athletic Training and Exercise Gymnasiums; Apparatus for Physical Development and of Gymnastic Exercises and Amusement; Skating, Walking, Climbing, Ball-playing, Wrestling, Acrobatic Exercises; Rowing, Hunting, &c. Special Apparatus for Training in Schools, Gymnasia; Apparatus for Exercise, Drill, &c.

1194. KERRY, Charles H., George-street, Sydney.

Panorama of the Association Cricket Ground, Sydney, during the progress of the International Cricket Match between England (Lord Sheffield's Eleven) and Australia in 1891.

CLASS 829.—Public Baths, Lavatories; Public and Domestic Hygiene; Sanitation—Sanitary Appliances and Methods for Dwelling-houses, Buildings, and Cities; Direct Renewal of Air; Heating, Ventilation, Lighting in their relation to Health; Conduits of Water and Sewage; Drains and Sewers; Sinks, Night-soil Apparatus, Sanitary Plumbing, Walls, Bricks, Roofs, Flooring, &c.; Sanitary House Decoration—Non-poisonous Paints and Wall Papers, Floor-coverings, Washables, Decorations, &c.

Apparatus for Carrying off, Receiving, and Treating Sewage, Slaughter-house Refuse, City Garbage.

Apparatus and Methods for Filtering Water and Cleansing Water-courses.

Apparatus intended for the Prevention of Infectious Diseases; Methods, Materials, and Instruments for Purifying and Destroying Germs; Disinfectors.

Apparatus and Fittings for Warming, Ventilating, and Lighting Schools, School Latrines, Closets, &c.

Special School Fittings for Storing and Drying Clothing. Precaution in Schools for Preventing the Spread of Infectious Diseases; School Sanitaria, Infirmaries, &c.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLVII—Classes 829 and 833: Sanitary Appliances, &c., and Fire Regulations, &c.

1195. **CAMPBELL, William Dugald, 46, Leinster-street, Paddington.**

The "Acmé" down-draft ventilating cowls, revolving and stationary forms.

These cowls are for throwing air down into sewers and buildings, and can be used in conjunction with exhaust shafts.

1196. **HOLDSWORTH, MACPHERSON, & CO., 254, George-street, Sydney.**

Tobin and Davidson's Patent Rapid Filters (of Colonial Manufacture), in three of the various sizes and styles in which they are made, viz.:—

a. Filter Tank with Limestone Filtering Medium capable of filtering 504 gallons per day, contained in Galvanized Iron Casing 35 in. long x 19 in. broad x 24 in. high. By combining similar or larger tanks filtered water is obtainable in any quantity.

b. Three-gallon filter, Limestone Filtering Medium, earthenware body, Bristol decorated, 12 in. high.

c. Four-gallon Filter, Limestone Filtering Medium, iron body, 11 in. diameter, 15 in. high.

d. Sections of Filters.

In this filter the material used in the manufacture of the filtering medium, may be either limestone, as used in the specimens exhibited, or any other suitable material, such as charcoal.

CLASS 833.—Protective Supervision—Sanitary Supervision; Vaccination and its Enforcement; Isolation of Contagious Diseases; Quarantine; Prevention and Elimination of Animal Epidemics.

Food Inspection—Treatment of Adulterated Foods; Inspection and Analysis; Treatment of Stale Food Substances; Regulation of Abattoirs, Mills, &c.; Regulation of Sale of Horses; Protective devices.

Building Inspection, &c.—Building Regulations and Inspection; Building, Drainage, and Plumbing; Fire Regulations, Fire Escapes, &c.

Personal Inspection—Colour Tests, &c.; Professional Examination for Licenses.

Immigration — Reception, Care, and Protection of Immigrants.

1197. **JONES, F. Oliver, C.E., Queensland Chambers, Bridge-street, Sydney.**

Structural Fire Plan of the City of Sydney, showing the method adopted by the Insurance Companies of Australasia to assess scientifically the block conflagration hazard.

Group CXLIX.—Primary, Secondary, and Superior Education.

CLASS 842.—Primary Schools, City and Country—School-houses and Furniture—Apparatus and Fittings—Models and Appliances for Teaching, Text-books, Diagrams, Examples—Specimens of Work in Elementary Schools.

1198. **COMMISSIONERS FOR NEW SOUTH WALES**, Sydney (per Department of Public Instruction).

Series of enlarged Photographs, illustrating the Public Schools of the Colony.

1. Technical College—Exterior.
2. ,, Lecture Room.
3. ,, Work Shops.
4. ,, Chemical Laboratory.
5. Public School—Surrey Hills South.
6. ,, Crown-street.
7. ,, Pyrmont.
8. ,, Ryde.
9. ,, Darling Road, Balmain.
10. ,, Fort-street.
11. ,, Burwood.
12. ,, Woollahra.
13. ,, Newtown.
14. ,, Cleveland-street.
15. ,, Blackfriars.
16. ,, Plunkett-street.
17. ,, Redfern.

1199. **COMMISSIONERS FOR NEW SOUTH WALES**, Sydney.

Report on School Buildings, 1880. By Edward Combes, C.M.G., M.L.C.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 842: Primary Schools, City and Country.

1200. DEPARTMENT OF PUBLIC INSTRUCTION, Sydney.

Specimens of Work done in the Public Schools of the Colony.

No.	School.	Name of Exhibitor.	Age.	Nature of Exhibit.
1	Adelong Crossing.....	James Turner	15	Copy-book.
2	Albury	Ella Harris	16	Specimen needlework.
3	Do	Lucy Dulley.....	15	do
4	Do	Ella Moffat	15	Night-dress.
5	Do	Kate White	16	Child's dress.
6	Do	Edith Skain	15	Map of Australia.
7	Do	Jessie Wright	12	Copy-book.
8	Do	Hilda Arnold	10	do
9	Do	Edith Skain	15	do
10	Do	Ellie Harris	16	Baby's dress.
11	Do	Amy Harris	14	Night-dress.
12	Do	Ellie Harris	16	White shirt.
13	Armidale	Elsie Beale	15	Patching.
14	Do	Mary Macguire	16	Knitted jacket
15	Do	Mary Fletcher	...	Darned stockings.
16	Do	Edith Leverett.....	...	Doll's dress.
17	Do	Susan Hardy	...	Patching and chemise.
18	Do	Grace Drew	12	do and apron.
19	Do	Edith Thompson.....	12	do do
20	Do	Jane Mills	12	do and chemise.
21	Do	Alice Howarth.....	12	Chemise.
22	Do	Mary Macguire	16	Pinafore and patching.
23	Do	Mary Wormessly.....	15	Doll's apron.
24	Do	Lizzie Pierce	13	do underclothing.
25	Do	Eliza Godfrey	13	Pinafore and patching.
26	Do	Jane Bartlett	13	Pinafore.
27	Do	Florence Geldard.....	15	Model apron, one specimen darning, two specimens patching.
28	Do	Alice McBean	13	Doll's apron and patching.
29	Ballina	Unnamed	14	Copy-book.
30	Birchgrove	Edith McKay	16	Exercise-book.
31	Do	Nellie Martin	15	do
32	Boggabri	William M'Ginnety...	9	Copy-book.
33	Do	George Cole	15	do
34	Do	Lillie Wilson	14	do
35	Do	Ernest Nixon	11	do
36	Bowral	Charles Johnson	...	Exercise-book.
37	Do	William Bennett.....	..	do
38	Burwood	Alice Hambly	12	Baby's-dress.
39	Do	Mary Hilliar.....	14	do
40	Do	Harriett Beard.....	12	do
41	Do	Mary West	16	Chemise.
42	Do	Florence Wooster ...	14	Petticoat.
43	Do	Florence Hart	12	Baby's dress.
44	Do	Mabel Leslie.....	11	Child's jacket.
45	Do	Edith Greenwood ...	15	Child's dress.
46	Do	Jane Kerslake	11	Pinafore.
47	Do	Ethel Herbert	11	Baby's dress.
48	Do	Florence Kannavan...	17	Night-dress.
49	Do	Mabel Hickson.....	13	Child's dress.
50	Do	Lizzie Watson	14	P nafore.
51	Do	Nellie Nicholls	11	Chemise.
52	Do	Adeline Akhorst	13	do
53	Do	Mabel Shepherd	14	Night-dress.
54	Do	Amy Shepherd.....	16	Specimen needlework.
55	Canterbury	Lucy Draper.....	13	Pinafore and night-dress.

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Department of Public Instruction, Sydney—Specimens of Work done in the Primary Schools of the Colony—*continued.*

No.	School.	Name of Exhibitor.	Age.	Nature of Exhibit.
56	Canterbury	Maggie Nicholl	14	Chemise.
57	Do	Edith M'Leod	14	Lace.
58	Do	James Slandon	13	Ornamental writing.
59	Clarence Town	August Eagleton	14	Sketch fruit.
60	Do	do	14	Map, Ireland.
61	Cook's Hill	Violet Asher	...	Handkerchief.
62	Do	Ethel Neill	...	Night-dress.
63	Do	Albert Jones	13	Exercise-book.
64	Do	James Webster	11	do
65	Do	John Logan	13	do
66	Do	Albert Jones	...	Copy-book.
67	Do	James Bawken	14	do
68	Do	Fred Price	...	do
69	Do	Bertie Charlton	14	do
70	Do	Nellie Nicholls	..	do
71	Do	Sarah Chandler	15	do
72	Do	Fred Gibb	15	do
73	Do	Benjamin Edwards	12	Freehand drawing.
74	Do	Emily Jones	...	Copy-book.
75	Do	Lizzie Johns	...	do
76	Do	Herbert Tuckwell	...	do
77	Do	Lena Pulbrook	...	do
78	Erina	A. Coulter	10	Handkerchief.
79	Do	Agnes Denning	10	Drawers.
80	Do	Mary Miles	13	Shirts.
81	Do	Ethel Howard	12	Apron.
82	Do	Mary Aubin	11	Petticoat.
83	Eschol	H. A. Ingram	...	Map, S. America.
84	Do	do	...	do Australia.
85	Forest Lodge	Warren Bardsley	9	Copy-book.
86	Do	James Thornley	8	do
87	Do	Linda Pegg	11	Doll's dress.
88	Do	George Maidment	10	Copy-book.
89	Do	Linda Pegg	11	Doll's dress.
90	Do	William Nicholls	13	Copy-book.
91	Do	Linda Pegg	11	Doll's dress.
92	Do	Mary Goggin	11	Pincushion.
93	Do	Martina Hemme	16	Chemise.
94	Do	Maggie Dutt	15	Dress.
95	Do	Elsie Madden	8	Chemise.
96	Do	Linda Pegg	11	Handkerchief.
97	Do	Florence Riley	13	Doll's Apron.
98	Do	Mary Caldwell	13	do
99	Do	Elsie McMahon	14	Spec. needlework.
100	Gladstone Park	Circe Tydeman	9	Handkerchief.
101	Do	Alice Gilding	...	do
102	Do	Stella Chapman	8	Doll's dress.
103	Do	Emily Fahl	12	Pinafore.
104	Do	Ethel Flowerdon	10	Petticoat.
105	Do	Minnie Boughtwood	11	Chemise.
106	Do	Edith Dohrn	13	Dress.
107	Do	Murie Hunter	10	do
108	Do	Mary Grenwell	7	Pillowslip.
109	Do	Elsie Greenwell	10	Baby's long flannel.
110	Do	Eliza Fearnley	12	Antimacassar.
111	Do	Maggie Collier	12	Petticoat.

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No.	School.	Name of Exhibitor.	Age.	Nature of Exhibit.
112	Gladstone Park	Rachel Dempsey	13	White shirt.
113	Do	Lily Morris	11	Drawers.
114	Do	Muriel Greenwell ...	11	Infant's robe.
115	Do	Blanche Davis	13	Lace.
116	Do	Maggie Mills	13	do
117	Do	Elizabeth Williams ..	12	Baby's dress.
118	Do	Annie Menges	11	Petticoat.
119	Do	Sophie Boyd	14	Chemise.
120	Do	General exhibit	...	Sheet models.
121	Do	Carrie Meo	12	Night dress.
122	Do	Amy Markwell.....	12	do
123	Do	Gertrude Batty	10	Baby's shirt.
124	Do	Christina Batty	14	Macramé.
125	Do	Alice Solomons.....	14	do
126	Do	Florrie Ashton	14	Pinafore.
127	Do	Christina Hocroft ...	14	Child's frock.
128	Do	Nellie Wilde.....	14	Bracket drapery.
129	Glebe	Francis Watkins	15	Picture, "First Australian Bishop.
130	Goulburn	Ivy Kable	13	Exercise book.
131	Do	Chrissie Hempton ...	14	do
132	Do	Emmie Holden	14	Chemise.
133	Do	Daisy Tisdale	12	Bodice.
134	Do	Ada Milford.....	12	Drawers.
135	Do	Ethel M'Lelland.....	14	do
136	Do	Emily Mathews	14	Chemise.
137	Do	General exhibit	...	Kindergarten work.
138	Do	Ivy Kable	13	Ornamental writing.
139	Goulburn, South	Four General exhibits	...	Kindergarten work.
140	Gowrie	Mary Hough	11	Drawers.
141	Do	Mary Egan	12	Chemise.
142	Do	Eliza Whitton	10	Drawers.
143	Do	Ida Frizzell	8	Shirts.
144	Do	Frances Moore	12	do
145	Do	Annie Moore	10	do
146	Do	Martha Whitton	12	Drawers.
147	Grafton.....	May Selman	14	Child's dress.
148	Do	Evelyn Dalby	14	Pinafore.
149	Do	Maggie Harps	13	Night dress.
150	Gundaroo	Maud Ewen	10	Chemise.
151	Do	Ethel Darby.....	11	Pinafore.
152	Hamilton	H. W. D. Brown	15	Map United States.
153	Do	S. Callaghan.....	...	Freehand drawing.
154	Do	J. Woodcock.....	...	do
155	Do	J. Hughes.....	15	do
156	Do	T. Kinder.....	...	do
157	Hillgrove	Henry Witherdin ...	13	Exercise book.
158	Do	Violet Dillon	15	do
159	Holdsworthy.....	John Haerse.....	...	do
160	Kogarah	William Watts	14	Copy-book.
161	Do	Ellen Jude	13	do
162	Do	Nellie Colvin	14	do
163	Do	Harry Wood.....	12	do
164	Do	Ellen Macquarie	14	Sampler.
165	Do	Eva Rose	9	do
166	Do	Elsie Mott.....	10	Handkerchief.
167	Do	Amy Clark	13	Bodice.

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Department of Public Instruction, Sydney—Specimens of Work done in the Primary Schools of the Colony—*continued.*

No.	School.	Name of Exhibitor.	Age.	Nature of Exhibit.
168	Kogarah	Ethel Edmonds	12	Apron.
169	Do	Elsie Burgess	10	Handkerchief.
170	Do	Minnie Howell.....	10	Apron.
171	Do	Myra Bird	13	Dress.
172	Leniston	Mary Atkinson.....	14	Night dress.
173	Do	Julia Burns	15	Chemise.
174	Lismore	Mary Atkinson.....	14	Night dress.
175	Do	Rose Mackney	15	White shirt.
176	Do	Violet Wotherspoon...	15	Copy book.
177	Do	Ralph Williams	13	do
178	Do	Maud Groom	12	do
179	West Maitland.....	Edith Starling	...	Picture, "Poppies."
180	Do	May Embleton..... ...	...	Copy book.
181	Do	Edith Starling	...	Ornamental writing.
182	Do	do	...	Mapping.
183	Do	do	...	Exercise book.
184	Do	Walter Edmunds.....	...	do
185	Model School, Fort-st.	Ruby Taylor.....	15	Darned net square.
186	Do	Maggie Buckle.....	13	Pinafore.
187	Do	Ruby Dettmann	13	Flannel body.
188	Do	Elsie Berry	14	Drawers.
189	Do	Christina Foston	16	Mantle drape.
190	Do	Ethel Horton	14	Specimens of clothing (framed).
191	Do	Leah Pavic	16	Reticule.
192	Do	Florrie Turner.....	14	Macramé.
193	Do	Olive Lees.....	15	Cushion.
194	Do	Minnie Parish	14	Melonseed bracelet.
195	Do	Linda Anderson	13	Dressed doll.
196	Do	Bessie Wilkes	14	Sketch "Birds."
197	Do	Beatrice Fullerton ...	16	A study in umbrellas.
198	Do	Florence Saunders ...	16	Night-dress.
199	Do	Ethel Ambler	12	Chemise.
200	Do	Bertha Horne	15	Child's hood.
201	Do	Maud Garland.....	16	Ornamental writing.
202	Do	Maud Dalrymple.....	16	do
203	Do	Edith Butler	16	do
204	Do	Ruby Dettmann	13	Baby's sox.
205	Do	Leah Pavic	16	Cover.
206	Do	Bertha Horne	15	Baby's flannel.
207	Do	Agnes Tivendale	15	Bodice.
208	Do	Edith Eaton.....	15	Pinafore.
209	Do	Alice Thornton	17	Shawl.
210	Do	Annie Smith.....	14	Chemise.
211	Do	Ethel Hawthorn	13	Child's dress.
212	Do	Ella Glentfield	14	Antimacassar.
213	Do	Mabel Mackenzie.....	14	Child's cap.
214	Do	Annie Oates	15	Shirt.
215	Do	Annie Paterson	16	Shirts.
216	Do	Elsie Berry	14	Chemise.
217	Do	Ethel Bowen.....	15	Pinafore.
218	Do	Eva Maddock	15	Dress body.
219	Do	Jessie Helps.....	13	Night-dress.
220	Do	Florence Saunders ...	16	Chemise.
221	Do	Ada Souter	16	Baby's robe.
222	Do	Ruby Taylor...	14	Antimacassar.
223	Do	Florence Lewis.....	15	Bed sachet.

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Department of Public Instruction, Sydney—Specimens of Work done in the Primary Schools of the Colony—*continued.*

No.	School.	Name of Exhibitor.	Age.	Nature of Exhibit.
224	Model School, Fort-st.	Florence Lewis	14	Child's dress.
225	Do	do	14	Child's cap.
226	Do	Lily Bridges	14	Child's shoes.
227	Do	Mabel Mackenzie	14	Baby's bootees.
228	Do	Mabel Mackenzie	14	do
229	Do	Nellie Crampton	14	Four pairs baby's bootees.
230	Do	Ruby Dettman	13	Pinafore.
231	Do	Kate Ferguson	15	Point lace.
232	Do	Ruby Taylor	14	Netted D'Oyley.
233	Do	Agnes Tivendale	14	Woollen jacket,
234	Do	Agnes Tivendale	14	Woollen shirt.
235	Do	B. Fullerton, a senior	...	Album.
236	Molong	Mabel Clark	14	Copy-book.
237	Do	Fred Taylor	13	do
238	Do	Sidney White	14	do
239	Do	Fred Taylor	13	do
240	Do	Hector Black	15	do
241	Mudgee	Isabel Thurston	12	Baby's bootees.
242	Do	Mary Thurston	15	do
243	Do	Daisy Cassimer	13	Chemise.
244	Do	Isabel Thurston	12	Baby's hood.
245	Do	Isabel Thurston	12	Exercise-book.
246	Do	Mary Thurston	15	do
247	Do	John Graham	15	Freehand drawing.
248	Do	Minnie Harper	17	do
249	Do	Percy Hardwick	15	do
250	Musselbrook	Mary Brecht	16	Copy-book.
251	Do	Harold Oaknow	10	do
252	Do	Myrtle Brecht	16	do
253	Nelanglo	Mary Booth	13	Pinafore.
254	Do	Jane Booth	...	Knitted sox.
255	Do	Susan Booth	...	do
256	Do	Caroline Lawton	14	Knitted stockings.
257	Do	Emily Booth	11	Knitted sox.
258	Do	Mary Booth	13	Pair stockings.
259	Do	do	13	do
260	Do	Laura Elliott	13	Petticoat.
261	Newcastle	Harriett Dowling	12	Freehand drawing.
262	Do	Amy Ryan	15	do
263	Do	Ethel Murray	14	do
264	Do	Edith Bryant	15	do
265	Do	Lily Lipscombe	13	Chemise.
266	Do	Minnie Bennett	14	Stockings.
267	Do	Bella Lloyd	14	Bed sachet.
268	Do	Janet Gibb	13	Night-dress.
269	Do	Ethel Murray	14	do
270	Do	Ethel Blackiston	11	do
271	Do	Isa Fraser	14	Chemise.
272	Do	Bertha Tinbury	15	Sampler.
273	Do	Susie Greaves	14	do
274	Do	Laura Thurton	16	White shirt.
275	Do	May Dick	14	White shirt.
276	Do	Eva Rushton	—	Apron.
277	Do	Mary Winson	16	Chemise.
278	Do	Bertha England	13	Sampler.
279	Do	Mary Jones	13	Chemise.

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No.	School.	Name of Exhibitor.	Age.	Nature of Exhibit.
280	Newcastle	Lottie Dowling	10	Chemise.
281	Do	Katie Gow	7	do
282	Do	Mabel Dennis	13	Dress.
283	Do	Janet Morrison	13	do
284	Do	Alexander E. Hughes	—	Map of Australia.
285	Do	Ethel Murray	14	Map of America.
286	Do	General Exhibit	...	Map of British Empire.
287	Newcastle, South	Janet Mitchell	13	Night-dress.
288	Do	Lily Hazleton	15	Chemise.
289	Do	Fanny Spencer	14	Sampler.
290	Do	Harry Marley	...	Plâque, Postage stamps.
291	Newcastle, East	Alfred Pike	10	Copy-book.
292	Do	John Mason	11	do
293	Do	Charles Mason	11	do
294	Do	William Pike	12	do
295	Do	Albert Pearce	13	do
296	Do	Joseph Pearce	15	do
297	Do	John Doohin	15	do
298	Do	George Bates	14	Freehand drawing.
299	Do	Albert Pearce	13	do
300	Do	Joseph Pearce	15	do
301	Do	Richard Menzies	13	do
302	New Italy	Maria Spinazi	6	Buttonholes.
303	Do	Maria Pellizzer	9	Underc'othing.
304	Do	Marina Pezzietti	11	Pinafore.
305	Paddington	Jessie Mitchell	...	Chemise.
306	Do	Milly Hall	12	Pinafore.
307	Do	Hilda Campbell	12	Knitted sox.
308	Do	Ethel Hogan	11	Chemise.
309	Do	Blanche Aylmer	14	Specimens needlework.
310	Do	Mabel Konnecki	13	Night-dress.
311	Do	Lily Brown	8	Handkerchief.
312	Do	Mabel Livingstone	8	Chemise.
313	Do	Annie Enemark	12	Night-dress.
314	Do	Elsie Mathews	8	Chemise.
315	Do	Gussie Hopps	8	Petticoat.
316	Do	Florence Mathews	11	do
317	Do	Ada Thurlow	13	Night-dress.
318	Do	Keturah Quatermain	10	Child's dress.
319	Do	Lily Benson	12	do
320	Do	Jessie Mitchell	13	Night-dress.
321	Do	Virgie Bassetti	12	Pinafore.
322	Do	Sybil Marsh	11	Child's dress.
323	Do	Nora Gilchrist	12	Infant's robe.
324	Do	Ethel Stuart Mellon	13	Copy-book.
325	Do	Sybil Marsh	11	do
326	Do	Edith Marks	14	Exercise-book.
327	Do	Mabel Brewster	13	do
328	Do	Sybil Marsh	11	do
329	Do	Kate Geiger	13	do
330	Do	Louisa Dunk	15	do
331	Do	Jessie Mitchell	14	do
332	Do	Daisy Vonwiller	12	do
333	Parramatta, South	Mabel Rogers	12	Bodice.
334	Do	Lizzie Burnett	15	Handkerchief.
335	Do	Laura Moffatt	15	Night-dress.

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No.	School.	Name of Exhibitor.	Age.	Name of Exhibit.
336	Parramatta, South ...	Alice Stead	13	Chemise.
337	Do ...	Frances Garnett	13	Night-dress.
338	Do ...	Bertha Raines	12	Bodice.
339	Do ...	Archie Jenkins.....	15	Ornamental writing.
340	Do ...	Florence Clark.....	13	Chemise.
341	Do ...	Harold Mason	14	Ornamental (drawings).
342	Penrith	Austin Fallon	14	Exercise-book.
343	Do	Redmond Noble	12	do
344	Do	Harry Shoobert	13	do
345	Pyrmont	General Exhibit	...	Pinafore.
346	Quandong.....	V. P. H. Olson.....	17	Pen and ink sketch, "Cardinal Wolsey."
347	Do	V. P. H. Olson.....	17	Pen and ink sketch, "River Sketch."
348	Queanbeyan	Florrie Gillespie	14	Copy-book.
349	Do	Roberta Steel	12	do
350	Do	W. Richards.....	12	do
351	Do	Eliza Mallard	10	do
352	Do	E. Hudson	15	do
353	Do	Martha Moore	12	do
354	Do	Five General exhibits	...	Kindergarten work.
355	Roughit	Rose Maloney	14	Sampler.
356	Do	Clara Maloney.....	10	Copy book.
357	Do	Margaret Badier	11	Sampler.
358	Do	Rose Maloney	14	Drawers.
359	Do	Margaret Hardman...	12	Chemise.
360	Do	Annie Tucker	11	Bodice.
361	Do	Ada Maloney	13	Button-holes.
362	Do	Ethel Turner	13	Chemise.
363	Do	Nora O'Toole	13	Pillow-slip.
364	Do	Ada Maloney	13	Shirt.
365	Do	Matilda Badier	8	Sampler.
366	Do	Alice Szarka.....	13	Pillow-slip.
367	Do	Ethel Tucker	13	Button-holes.
368	Do	Nora O'Toole	13	do
369	Do	Alice Szarka	13	do
370	Do	Clara Maloney	11	Sampler.
371	Ryde	Ethel Eyles	14	Picture, "Dog's Head."
372	Do	Arthur Neely	16	do do
373	Do	Ethel Eyles	14	do "Humming Birds."
374	Do	Gwennie Howell	15	Macramé.
375	Saumarez	James McCann	...	Collection of birds' eggs.
376	Scone.....	Minnie Moore	10	Child's dress } attached.
377	Do	Florrie Moore	13	Button-holes }
378	Do	Elizabeth Bowler.....	12	Combination petticoat.
379	Do	Florrie Moore	13	Shirt.
380	Silverdale	Maud Williams	10	Handkerchief.
381	Do	Emily Randall.....	13	Lace.
382	Do	Fannie Gibson	13	Dress.
382	Silverton	William E. Saunders.	15	Map of New South Wales.
384	Singleton	Mildred Glasson	12	Copy-book.
385	Do	Millie McKenzie	11	do
386	Do	Leslie Anderson	12	do
387	Do	Hugh Draffin	12	do
389	Do	Maude Brown	13	Chemise.
390	Do	Clara Robinson	9	do

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No.	School.	Name of Exhibitor.	Age.	Name of Exhibit.
391	Singleton	Ethel Pan	9	Chemise.
392	Do	Maude Brown	13	White shirt.
393	Do	Emma Molster	13	do
394	Do	Milly Mackenzie	11	Button-holes.
395	Do	Emma Molster	13	do
396	Do	Maggie Molster	15	do
397	Do	Evelyn Kirkwood	14	Bodice.
398	Do	Edith Kay	11	Chemise.
399	Do	Milly Mackenzie	11	Apron.
400	Do	Hilda Burke	12	Child's frock.
401	Do	Amy Young	9	Chemise.
402	Do	Elizabeth Draffin	10	do
403	Summer Hill	Ethel Hughon	12	Macrame.
404	Do	Edith Morrow	11	Pinafore.
405	Do	Mabel Hicks	14	Dress.
406	Do	do	14	do
407	Do	F. M. Laing	12	do
408	Do	Maude Price	...	do
409	Do	Mary Shiddy	...	do
410	Do	Elsie Guery	...	do
411	Do	— Sayers	...	do
412	Do	May Baker	...	do
413	Do	do	...	do
414	Do	Lily Melville	14	do
415	Do	Mabel Mollison	11	do
416	Do	Rosa Thynne	9	Pinafore and specimens.
417	Do	do	9	Two specimens work.
418	Do	do	9	Boots, &c.
419	Do	do	9	Child's hood.
420	Do	Clara Morrow	9	Slippers and crochet.
421	Do	Rosa Morrow	...	Pinafore.
422	Do	do	...	Slippers.
423	Do	Violet Melville	...	Sampler and crochet.
424	Do	May Baker	...	Child's hood.
425	Thalaba	Eva Robson	9	Chemise.
426	Do	Ada Robson	14	Drawers.
427	Do	do	14	Night dress.
428	Do	Eva Germon	11	Child's dress.
429	Do	Olivia King	12	Drawers.
430	Do	Ethel Brewer	12	Child's dress.
431	Do	Beatrice Brewer	10	do
432	Do	Ellen Crowfoot	10	Chemise.
433	Do	Elizabeth Marsh	13	Night dress.
434	Do	do	13	Chemise.
435	Do	Adelaide Berry	13	do
436	Do	Eva Germon	11	do
437	Do	Ettie Lowrie	10	do
438	Do	Amy Cox	9	do } attached.
439	Do	Esther Brewer	9	do }
440	Do	Olivia Yates	16	Buttonholes.
441	Do	Olivia King	13	Apron.
442	Do	Olivia Yates	16	Buttonholes.
443	Do	Olivia King	13	do
444	Do	Olivia Yates	16	Infant's dress.
445	Do	May Robson	11	Darned stockings.
446	Do	Olivia King	13	do

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No.	School.	Name of Exhibitor.	Age.	Nature of Exhibit.
447	Thalaba	Olivia Germon	13	Darned sox.
448	Do	May Robson	10	Drawers and chemise.
449	Do	Ethel Brewer	11	Chemise.
450	Do	Ella Lowrie	10	Darned sox.
451	Do	Lilian Yates	11	do
452	Do	Beatriee Brewer	9	Two chemises, attached.
453	Do	Eva Robson	9	Darned sox.
454	Do	Minnie Cox	11	do
455	Do	Gertrude Cox	13	do
456	Do	Ellen Crowfoot	10	do
457	Do	Mary Pritchell	13	Chemise.
458	Do	Mary Yates	13	Bodiee.
459	Do	Olivia Germon	13	do
460	Do	Adelaide Berry	13	Drawers.
461	Do	Olivia King	13	Chemise.
462	Do	Olivia Germon	13	Shirt.
463	Do	Ada Robson	14	White shirt.
464	Do	Elizabeth Marsh	13	Chemise.
465	Do	Olivia King	13	White shirt.
466	Do	Mary Yates	13	Chemise.
467	Do	Gertrude Cox	13	do
468	Thurgoona	Mary Knoble	11	do
469	Do	Susan O'Keeffe	11	do
470	Thornford	Stella Franklin	12	Buttonholes.
471	Do	Daisy Baxter	13	do
472	Do	Aliee McKeehnie	14	do
473	Do	Adelaide Baxter	13	do
474	Do	Edith Payten	12	do
475	Do	Florrie Somerville	15	Needlework.
476	Do	May Neeley	14	do
477	Do	Nellie Macauley	15	do
478	Walgett	Annie White	8	Petticoat.
479	Do	May Simpson	6	Baby's shirt.
480	Do	Jane Tatton	5	do
481	Do	Rose Ashby	10	Petticoat.
482	Do	Margaret White	12	Copy-book.
483	Do	do	12	Exercise-book.
484	Do	Elizabeth Ashley	13	do
485	Waverley	Nellie Swyny	8	Kindergarten work.
486	Do	Ida Richards	8	do
487	Do	Alice Coopman	7	do
488	Do	Percy Wynn	...	do
489	Do	Nelly Swyny	7	do
490	Do	Edith Searle	7	do
491	Do	Francis Beale	7	do
492	Do	Stella Campbell	7	do
493	Do	do	7	do
494	Do	Lena Connor	7	do
495	Do	Amy Richardson	16	Map of Port Jackson.
496	Do	Rennie Wray	12	Copy-book.
497	Do	Ella Richards	14	do
498	Do	Louie Davenport	11	do
499	Do	Mildred Carroll	12	do
500	Do	Annie Davenport	14	do
501	Do	Florence Kate Smith	14	do
502	Do	Mary E. Evans	13	do

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 842: Primary Schools, City and Country.

Department of Public Instruction, Sydney—Specimens of Work done in the Primary Schools of the Colony—*continued.*

No.	School.	Name of Exhibitor.	Age.	Name of Exhibit.
503	Waverley	Charles Holmes	14	Freehand drawing.
504	Warrangong	Johanna Cass	11	Copy-book.
505	Wallagong	Charles Morrow	...	do
506	Do	James Hear	...	do
507	Wickham	Master Wenban	7	do
508	Do	Four unnamed	...	Copy-books.
509	Do	Three do	...	do
510	Do	Two do	...	do
511	Do	Eva Harman	11	Copy-book.
512	Do	Mary Boddy	11	do
513	Do	Elizabeth Ogle	11	do
514	Do	Matilda Horne	13	do
515	Do	Sarah Young	12	do
516	Do	Mary Bennett	10	do
517	Do	Annie Irving	11	do
518	Do	Jane Harris	11	do
519	Do	Nellie Read	12	do
520	Do	Phœbe Morris	10	do
521	Do	Alice Meikle	9	do
522	Do	General Exhibit	...	5 specimens writing.
523	Do	Clara Gibson	11	Exercise Book.
524	Do	Emma Morris	14	do
525	Do	Nellie Parkes	14	do
526	Do	Ernest Newton	9	do
527	Do	Unnamed	...	Quilt.
528	Do	Sarah Dunn	14	Wall-pocket.
529	Do	Nellie Read	12	Bed sachet.
530	Do	Anna Manning	...	Pinafore.
531	Do	Lillie Hean	15	Ornamental writing.
532	Do	Ethel Fitness	15	do
533	Do	Ettie Cobley	14	do
534	Do	Ethel Beasly	15	Night-dress.
535	Do	Archie Elliott	14	Freehand drawing.
536	Do	W. S. Robinson	13	do
537	Do	W. J. Parfett	15	do
538	Do	Thomas Hogue	14	do
539	Do	Sydney Short	16	Geometrical drawing.
540	Do	W. S. Robinson	13	Freehand drawing.
541	Do	Ethel Bearby	11	Wall tidy.
542	Do	Florence Croft	14	Pincushion.
543	Do	Alice O'Connell	14	do
544	Do	Annie Bell	14	Chemise.
545	Do	Margery Anderson	12	Night dress.
546	Do	Nellie Parkes	14	Apron.
547	Do	Alice O'Connell	14	Night dress.
548	Do	Lucy Martin	15	Specimen of sewing.
549	Do	Florrie Barrack	13	White shirt.
550	Wellington	Herman Zechlke	16	Map North America.
551	Windsor	Maud Hebblewhite	10	Chemise.
552	Do	Ada Ward	16	Long flannel.
553	Do	do	16	Petticoat.
554	Do	do	16	Baby's shirt.
555	Do	do	16	Infant's robe.
556	Do	Virgie Anderson	14	Dressed doll.
557	Do	do	14	Buttonholes.
558	Do	Nellie Anderson	16	do

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Specimens of Work done in the Primary Schools of the Colony—*continued.*

No.	School.	Name of Exhibitor.	Age.	Name of Exhibit.
559	Windsor	Ethel Smith	15	Night-dress.
560	Do	Katie Anderson	16	Infant's robe.
561	Do	Henrietta Anderson	17	Specimens drawing, etc.
562	Wollongong	Jessie McPhail	11	Copy-book.
563	Do	Robert McCann	14	do
564	Do	Maurice Marks	10	do
565	Do	John Budgen	14	do
566	Do	Gladstone Coben	11	do
567	Do	James McKenzie	10	do
568	Do	Charles Bode	11	do
569	Wombat	Marion Hall	15	Robe.
570	Do	do	15	do
571	Young	General Exhibits	...	Doll's underclothing.
572	Do	Alice Jacobs	17	Petticoat.
573	Do	Henry Allmark	14	Exercise book.
574	Do	Mary Watson	16	do

CLASS 847.—Technical and Apprenticeship Schools; Apparatus and Examples used in Primary and Secondary Schools for Teaching Handicraft; Models, Plans, and Designs for the Fitting up of Workshop and Industrial Schools; results of Industrial Work done in such Schools.

1201. COMMISSIONERS FOR NEW SOUTH WALES, Sydney.

Reports on Technical Education, by Edward Combes, C.M.G., M.L.C.
Reports on Manual Training.

1202. DEPARTMENT OF PUBLIC INSTRUCTION, Sydney (Technical Education Branch).

The first class for technical education in the Colony was held at the Sydney Mechanics' School of Arts as early as 1865. A few additional classes were formed from time to time until in 1873 it was decided by the Committee of the institution to establish a Technical or Working Men's College. In 1878 Parliament voted £2,000 towards subsidising the college classes, and in 1883 a Board was appointed by the Government to take over the work from the School of Arts Committee, and for six years the Board of Technical Education had the management of the various classes, for the maintenance of which there was an annual vote of about £17,000. In 1887, however, the Minister of Public Instruction obtained the consent of the Cabinet to a scheme for incorporating the work of technical education in a more direct manner with that of primary instruction carried on under the Department of Public Instruction.

In November of this year, accordingly, the Minister, with the Under Secretary and the newly-appointed Superintendent of Technical Education, took over from the Board the control of the Technical College with its various branches.

This State system of technical education has now been in operation for three years, and it is interesting to note that the number of classes during that time has increased from 119 to 306; the enrolment of students from 3,384 to 10,089; the number of students examined from 1,219 to 3,332; while the expenditure has been reduced from £6 15s 4d. per student in 1889 to £3 7s. in 1892.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

BUILDINGS.

The Sydney Technical College is erected on a block of ground, 3¼ acres in area, in Harris-street, Ultimo, close to the Sydney Railway Station. The college is situated centrally on the Mary Ann-street frontage, and is flanked on either side by the buildings intended for technical and commercial high schools respectively. The Technological Museum, which is also under the Technical Education Branch, has been erected on the Harris-street frontage, and is now in course of occupation.

Immediately at the rear of the college is situated the chemical laboratory, and behind this again are the engineering workshops. The architectural workshops and school of cookery occupy the south-west corner of the block.

The designs of the college and high schools have been treated in what may be termed a free classic style. The main entrance to the college is approached by a double flight of steps and a loggia. The main staircase is opposite the entrance hall, and makes a handsome feature, with an enriched screen, a centre flight and two return flights of steps. The class rooms throughout are very commodious, averaging 16 ft. from floor to ceiling, six of them are 62 ft. x 33 ft., and six 42 ft. x 30 ft.

The workshops are arranged and fitted up for carrying out various trades and professions, such as engineering, fitting and turning, blacksmithing, pattern making, boiler making, carpentry, carriage building, cabinet making, bricklaying, masonry, stone and marble carving, iron founding, and plumbing.

The classes in the suburban and country districts are, with a few exceptions, carried on in the public school buildings or School of Arts premises.

CLASSES.

Instruction was given during 1892 in the following subjects :—

Agriculture, science and practice ; botany, sheep and wool training, day; woolsorting, evening ; architectural drawing and design, history of architecture, building construction, carpentry and joinery, bricklaying, masonry, stone and marble carving, cabinet making, use of the slide rule, freehand drawing, model drawing, geometrical drawing, practical, plane, and solid ; sciography, perspective, design, modelling, practical chemistry and metallurgy, theoretical chemistry, book-keeping, caligraphy and correspondence, shorthand, type-writing, French, household management, cookery practice and demonstration, practical sick nursing in the home, house painting, graining and marbling, sign writing, elementary decoration and art decoration, geology, mineralogy, mineral prospecting, coal mining, mathematics, mechanical drawing, machine construction, applied mechanics, steam and steam engine, blacksmithing, boiler making, fitting and turning, iron founding, carriage building, architectural sanitation, sanitary engineering, sanitary plumbing, practical plumbing, electrical engineering, pharmacy, materia medica, pharmaceutical chemistry, dispensing ; sound, light, and heat; electricity and magnetism, telegraphy, lithography, photo-lithography, tailors' cutting, scientific dress cutting, scientific dressmaking, latin, ambulance surgery.

BRANCH SCHOOLS.

In addition to the classes held in Sydney, Branch Schools or Technical Classes were held in the following places :—Armidale, Bathurst, Broken Hill, Clarence Town, Eskbank, Goulburn, Granville, Hamilton, Hinton, Hornsby, Lambton, Maitland, Merewether, Minmi, Morpeth, Newcastle, Orange, Parramatta, Plattsburg, Raymond Terrace, Seaham, Singleton, Stockton, Uralla, Wagga Wagga, Wallsend, and Wickham.

STUDENTS, &c.

The following summary of statistics shows the progress made in the Technical Education Branch during the past year :—

SUMMARY OF STATISTICS FOR 1891 AND 1892.

	1891.	1892.	Increase.
Number of Classes	295	306	11
Number of enrolments of students...	8,466	10,089	1,623
Number of individual students.....	6,688	8,329	1,641
Number of students examined	2,563	3,332	769
Number of students passed.....	1,704	2,271	567
Amount of fees received from pupils	£3,721 5 6	£4,388 14 9	£664 9 3
Visitors to Technological Museum...	112,632	144,253	31,621
Visitors to Branch Museums in country towns	25,842	40,332	14,490

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

1203. Department of Public Instruction, Sydney.—Specimens of Industrial Work from the Sydney Technical College and Branch Schools.

No. of Exhibit.	Exhibitor.	Description.
	ARCHITECTURE CLASSES.	
668	Robert Pender	Coloured drawing of roof work.
669	C. H. Button	Coloured drawing of circular headed window.
670	Charles Reynolds	Plain drawing of circular headed window.
586–91	E. Dearman	Design for colonial villa—six drawings.
592–97	Alfred Spain	Design for town hall—six drawings.
598–605	J. A. Kethel	Design for baronial residence—eight drawings.
606–13 / 615–18	Do	Design for colonial mansion—twelve drawings.
619–25	Holland Andrews	Design for school of arts—seven drawings.
626–30	Bycra Hadley	Orders of Architecture—five drawings.
631–35	R. E. Nancarrow	do do
	CARPENTRY CLASS.	
48	Alexander Duncan	A bow window set in sandstone.
358	J. Dunlop	Model of hip roof.
359	G. Porter	Dome roof polished.
360	J. Dunlop	Brace for roof.
361	Do	do
362	John Drake	Circular louvre shutter.
363	J. Dunlop	Fan-light circular.
364	J. Hodge	Twisted hand-rail polished.
365	Do	Piece of circular hand-rail.
366	H. Hodge	Polished wood ventilator-horizontal.
367	F. Marshall	Piece of twisted hand-rail.
368	F. Rose	Polished wood ventilator-square.
369	James Anderson	Piece of hand-rail finishing end.
370	John Drake	Triangular louvre.
371	George Begg	Piece of twisted hand-rail.
372	F. Marshall	Piece of semi-circular hand-rail
373	George Waters	Piece of circular hand-rail.
374	C. Shambler	Hand-rail with circular finish.
375	James Anderson	Piece of circular hand-rail
376	Do	do do
377	Do	do do
378	E. Ellis	Oval louvre with shutter polished.
379	H. Nelson	Piece of straight hand-rail.
380	W. Harvey	Piece of hand-rail circular.
381	F. Taprowski	Circular window.
382	A. Duncan	Semi-circular piece of hand-rail.
383	James Hodge	Hand-rail circular.
384	P. Barrett	Louvre shutters, polished with French lights.
385	Alexander Sims	Staircase model, four steps.
386	S. Smith	Adjustable square louvre shutter—polished.
387	E. Kirkham	Louvre French lights.
388	William Darcus	Circle upon circle double door, monogram on panel.
389	F. Taprowski	Circle upon circle door frame and door.
390	Sydney Smith	Panel door with glass.
391	F. Taylor	Polished pine door, open window, with no glass.
392	John Drake	Louvre shutter—elliptical.
393	W. G. Pickering	Polished cedar door, light wood panels.
394	E. Bryant	Polished cedar door, light wood panels.
395	Robert Lang	Circle upon circle door frames.
398	Do	Spiral staircase, polished cedar.
399	Do	Staircase handrailing, semi-circular each end.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney—Specimens of Industrial Work from the Syduey Technical College, &c.—*continued.*

No. of Exhibit.	Exhibitor.	Description.
		CABINETMAKING CLASS.
396	J. A. Flynn	Miniature chest of drawers.
397	J. F. Elphinstone	Miniature dining table with leaf.
		GENERAL AND SANITARY PLUMBING EXHIBITS.
35	S. Stewart.....	Drawn lead pipe, with five wiped joints forming a finial.
36	J. P. Williams.....	Piece of lead bossing suitable for box gutter work.
37	Do	A "made" P trap with rising pipe.
		Sets of exhibits showing method of instruction in Sanitary Plumbing.
		First Set,—
55	Joseph Vaughan	Scale drawing of a stack of soil pipe taking slop sink, valve closet, wash down closet, and range of two urinals, now being made to drawing and fitted up in workshop.
38, 39	Do	Two P traps with vent pipes for the urinal range, made by student to his own full-sized details, prepared from above scale drawing, No. 55.
		Second Set,—
56	Joseph Palazzi.....	Scale drawing of a stack of waste pipes, taking a range of two basins, a bath, and a kitchen sink with grease trap, now being made to drawing and fitted up in workshop.
54	Do	Full-sized detail of traps, vents, and wastes for range of two basins enlarged from above scale drawing.
41	J. Backhouse	Lead traps, vents, and wastes for two basins made by student from his full-sized detail drawing as above, No. 54.
46	E. Carr	Lead rod pipe for standing waste and trap for bath, made by student to full-sized details enlarged from above scale drawing of waste-pipe stack, No. 56.
		Third Set,—
49	A. Thomas aud J. P. Williams.	Full-sized detail of bossed lead finial and open cresting—designed and drawn, and now being made in workshop by student.
50	Do	Bossed lead finial—with the exception of the four lead balls, which are each bossed out of a separate piece—the whole of this finial is bossed or worked up out of a single piece of sheet lead, to illustrate the possibilities of lead working.
52	S. Moodie	Sample of work illustrating lead bossing-up suitable for roof work.
40	W. Bow	A "made" 4-inch lead P trap.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney—Specimens of Industrial Work from the Sydney Technical College, &c.—*continued.*

No. of Exhibit.	Exhibitor.	Description.
		A set of samples illustrating one examination for Master Plumbers' diplomas of merit as conducted by the Sanitary Engineering Department.
		1st.
		Practical Workmanship, 6 hours' work—
53	J. Richmond.....	Waste-pipe and vent of "made" lead pipe with wiped joints for basin, cut up by Examiner to display fitting and workmanship.
51	Do	Underhand wiped joint on 4-inch made lead soil pipe, cut across by Examiner to display fitting and workmanship. Two pieces.
		2nd.
		Written Examination and Sanitary Sketches—6 hours' work—
665	The Examiners	Large sheet comprising—(*a*) Diploma of merit as master plumber as issued by this Department. (*b*) Set of questions in general principles, roof work, inside work, and hot water supply. (*c*) Set of sanitary sketches filled in by candidate.

NOTE.—Applicants for licenses to do plumbers' work under the jurisdiction of the Sydney Metropolitan District Board of Water Supply and Sewerage are required to possess this diploma of merit as a guarantee of knowledge and skill.

MASONRY AND STONE, AND MARBLE CARVING CLASS.

233	B. Nettleton.....	Model of an arch in Omaru, with red pine stand.
235	John A. Milford	Model of rampant arch (polished stand).
237	W. H. Jeffries	Stone carving in Omaru—second year cast, 55.
239	Do	Marble carving—first year cast, No. 17.
243	Do	Stone carving, panel work, ornamental.
244	Do	Stone carving—second year cast, No. 49.

MASONRY DRAWINGS.

645	John A. Milford	Rampant and pointed arch.
646	B. Nettleton.....	Arch on circular plan, and semi-circular in elevation.

MECHANICAL DRAWING CLASSES.

197	A. Diamond	Switchboard—coloured drawing.
198	C. J. Hack	Mechanical drawing.
199	Do	do
200	Do	do from working models.
201	Do	Cog-wheels.
202	Do	Condenser, &c.
636	Edward Nash	Details of slide-valve and link-motion.
637	J. B. Noad	Launch engine.
638	C. E. Stockwell	Mechanical drawing—Connecting rod end for cable tramway engine at North Sydney.
639	M. Wood	Mechanical drawing—Feed-valve for marine boiler.
640	Algernon Peake	Mechanical drawing—Double-acting pump.
641	Do	do 8-in. sluice valve.
642	Herman Simon.....	do Plate girder railway bridge.
643	Do	do Horizontal engine, with double-valve gear.
644	Robert McCubben	Pattern shop drawing—Blade of Propeller.
662	C. F. Watt	Mechanical drawing—Lathe head.
663	Do	do Poppet head.
664	G. M. Muir	do 8-in. sluice valve.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney—Specimens of Industrial Work from the Sydney Technical College, &c.—*continued.*

No. of Exhibit.	Exhibitor.	Description.
	Pattern Making Class.	
23	Andrew Fenwick.....	Section of bearing.
24	Thomas Harvey	Propeller—1-blade.
25	Henry Roddam	Model of a wheel in two pieces, Mitre cog-wheel.
26	Robert W. Wilson	Section of bearing.
27	Thomas Harvey	Model of a propeller and shaft.
	Iron Founding Class.	
28	James W. Taylor.....	Horizontal casting.
29	Do	Casting of lid to same—Round.
30	Do	Lid—Square.
31	Do	Casting—Fly-wheel.
	Boiler Making Class.	
32 } 42 }	Henry Hoggan and sundry other students.	Locomotive boiler, and stand for same. Vertical boiler and stand—Circular.
	Fitting and Turning Class.	
33, 34	George King, W. Hunter, J. Burness.	2 Pieces of crank-shafting.
205	By sundry students.....	5 mitre cog-wheels.
	Do	1 small crank-shaft.
	Do	1 small ratchett.
	Do	6 bolts and nuts.
	Do	1 small shaft and pinion.
	Do	2 able plates.
	Do	Parallel blocks rivetted together.
	Do	1 specimen iron squaring.
	Do	1 Do Pentagon shape.
	Do	1 Do Hexagon Do.
	Do	1 small sample iron turning.
	Do	6 samples screw-cutting.
	Do	1 sample screw-cutting—2 threads.
	Do	9 samples screw-cutting, small.
	Do	4 samples screw-cutting with nuts to fit.
	Do	2 long spindles with circular plates.
	Do	1 scribing-block and scriber.
	Do	1 long sample screw-cutting, square end.
	Do	1 long sample screw-cutting, right and left hand thread.
	Do	1 sample shafting, iron-pointed.
	Do	1 set 10 taps and handle for do.
	Do	1 small square ⅂.
	Do	1 small T square.
	Do	1 bevelled angle-piece.
	Do	Reversing gear, 6 pieces.
	Do	7 samples brass-turning.
	Do	7 small brass mitre cog-wheels,
	Do	1 sample filling brass-oval, 2 pieces.
206	Do	Model of compound marine engine.
	Coach-building Class.	
353	James Cronin	1 half section, model of brougham.
354	James Balentyne	Section of arm carriage.
355	James Cronin	Side of Victoria.
356	Horace J. Ockenden ...	Dog-cart, seat full size.
357	J. Watson Davidson ...	do do

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney—Specimens of Industrial Work from the Sydney Technical College, &c.—*continued.*

No. of Exhibit.	Exhibitor.	Description.
	MANUAL TRAINING CLASSES.	
1	C. W. M'Coy	Polished book-stand.
2	C. Caldwell	Roof-truss.
3	H. Carruthers	1 towel-rail.
4	J. Newman	Samples of dove-tailing, cedar.
5	A. Peterson	Soap box.
6	R. Blackwell	Sample of dove-tailing.
7	H. Capper	1 stationery cabinet.
8	C. Hughes	Three-legged stool, varnished.
9 & 10	C. Clay and H. Kelly	Samples of dove-tailing, Oxford frame-joints.
11	W. Gillies	Cedar easel.
12	J. Young	Step-ladder, cedar, varnished.
13	C. Howell	Verandah folding lounge-chair, varnished.
14	A. Carruthers	Knife-tray, varnished.
15	C. Gillies	Foot-stool, varnished.
16	H. Patfield	Door-panel, polished cedar.
17	F. Homan	Door-panel, cedar and pine.
18	C. Brooks	Pine easel, polished.
19	J. F. M'Dougall	Tongued and grooved door, polished.
20	H. Tracey	Wood-carving, 1st year cast, No. 41.
21	T. Pincombe	Wood-carving of cast, similar to No. 33.
22	F. Homan	Wood-carving of cast, 1st year, No. 41.
47	J. B. Noad	Wooden model of Town Hall.
249	W. Steffanoni	Soap-box.
250	H. Clough	Hexagonal stand, 3 sections, of different wood.
251	A. Finch	Ink-stand with 3 glass ink-wells.
252	Thomas Lewis	Clothes-horse, folding fire-screen.
253	H. Slade	Fretwork frame.
254	B. Neill	Press door-panel.
255	J. Kemp	do
256	W. Watson	Draught-board, polished.
257	H. Clough	Oxford frame, light wood.
258	E. Bignell	Oxford frame.
259	Do	4 designs on small piece of wood.
260	J. Williams	Right-angled joint-mortice.
261	R. Green	1 wooden knife-tray.
262	J. Newell	1 salt-box.
263	J. Williams	1 mortice-joint.
264	J. Thompson	1 mortice-joint, small.
265	J. Kemp	Press-door.
266	Do	1 T-joint mortice.
267	B. Caldwell	Cedar easel.
268	A. Robins	Polished draught-board.
317	Do	Stand, wood, with inlaid scroll.
318	A. Green	Upright bracket.
319	Do	3 designs on wood-panelling.
320	Do	Set of shelves, or book-shelf.
321	Do	1 small cabinet.
322	Clara Atkinson	Single bracket fretwork.
323	Eve Benjamin	Photo-frame, crown and fan design.
324	Alice Coles	Stationery cabinet fretwork.
325	Violet White	Card basket, tied with ribbon.
326	Ada Skinner	Ornamental trough—fretwork.
327	Lottie Eldridge	Pen-rack.
328	Gertrude Smith	Pen-tray.
329	Mary Hollings	Wheelbarrow.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Specimens of Industrial Work from the Sydney Technical College, &c.—*continued.*

No. of Exhibit.	Exhibitor.	Description.
		MANUAL TRAINING CLASSES—*continued.*
330	Grace Hammond.....	Single bracket, kite shape.
331	Marion Lindsay	Tray, with two racks.
332	Gertrude Smith	Ivy-leaf bracket, single.
333	Emily Hollings	Fancy inkstand—walnut, with bottles.
334	Susan M'Lachlan.....	Fancy bracket, single pipe rack.
335	Cecil Grossman	Ivy-leaf easel.
336	F. Homan.....	Fretwork cabinet.
338	Joseph Shepherd.....	Model of staircase.
339	B. Hipsley.....	Circular inlaid draught-board.
340	F. Woodward	Polished model of yacht "Buhl Buhl."
341	Oscar Jordan	Fretwork bracket.
342	R. Darrack	Octagonal draught-board, polished.
343	Talbot Harding	Model of boat, inlaid.
348	Ronald Darrack	do small boat.
307	Harry Kingsell.....	Vertical card-tray—blackwood, cedar, and myall.
308	Sydney Stewart	do polished cherrywood, walnut, and blackwood.
309	Andrew Crawford	do rosewood, teak, and Huon pine.
311	George Roberts	Vertical stand, four marble holes at top.
		WOOD-CARVING EXHIBITS.
43	George Ockleford	Specimen of wood carving—cherub, &c.
44	Do	Specimen of wood-carving.
45	Do	Large carved panel, with stalk at top and figure at bottom, snake, birds, flowers, fruits, &c.
		ART CLASSES.
430	Lucien Dechaineux.....	Design—waratahs and sun.
431	Do	Wall-paper—lyre bird and waratah.
433	Do	Design—waratahs, stenocarpus.
434	H. W. Salmon	Fancy jug.
435	Do	Sepia jug, with flowers.
436	Do	Colored jug.
437	Do	Sepia jug, with flowers.
438	Do	Vase, with ring handle, colored.
439	Miss E. Baas	do colored.
440	Do	Jug, colored.
441	Robert O. Geary	Oak chair—perspective drawing.
442	E. Slatyer.....	Colored vase—birds and flowers.
443	E. B. Smith	Bottom of pedestal.
444	Miss E. A. Buckland ...	Two colored vases—one "Mare and Foal," and one "Flowers."
449	C. Wright.....	Model drawing—cylinder and prism.
452	Lucien Dechaineux	Design—capitol, rams' horns and waratahs.
453	Mary Ann Gent	Flower-jug, small.
454	Miss Kate Baas	Vertical vase, in red.
455	Do	Small flower-jug, colored.
456	Mary Ann Gent	Vertical vase, in red, bottom handles.
457	Miss C. Liggins...	Engine-wheel, resting on cube.
458	E. Stom.....	Group of models—hexagonal prism, cone intersected circle.
459	E. Brown	Group of models—hexagonal prism.
462	Miss Lovegrove	Cylinder hexagonal prism.
463	Edith Brown	Vase in mortar.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Specimens of Industrial Work from the Sydney Technical College, &c.—*continued.*

No. of Exhibit.	Exhibitor.	Description.
		ART CLASSES—*continued.*
465	Miss Dolly Baas	Petticoat.
466	F. Atkins	do
471	E. Strom	Water-jug and glass.
472	Miss C. Liggins	Pewter jug.
473	E. Strom	Two engine-hooks and a cube.
474	E. S. Henderson	Engine wheel and cylinder.
475	Ann Black	Vase, with ring handle.
476	Edith Brown	Hexagonal prism, resting on cylinder.
478	F. Atkins	do do
479	E. Doyle	Vase.
480	Do	do
481	E. Lovegrove	do
482	H. J. Crisp	Acanthus leaf.
483	Do	2nd year cast, No. 48.
484	H. Hughes	do No. 54.
485	Edith Brown	do No. 77.
486	George Aurousseau	Study of a Grecian female.
487	Edith Brown	2nd year cast, No. 48.
488	Ethel Brown.....	do No. 51.
490	J. Jarman.....	do panel, No. 58.
491	Edith Brown	do rosette, No. 75.
492	Miss L. Button.....	do do No. 74.
493	E. Strom	do do No. 49.
494	Edith Brown	do panel, No. 69.
495	Miss K. Biddle.....	do fruit, series B.
496	Ethel Brown	do panel, No. 58.
497	Do	do No. 56.
498	Jeane Olive	do No. 66.
500	.....	do No. 51.
501	N. Nelson.....	do panel, No. 70.
502	Miss B. Button	do No. 46.
503	Ethel Brown	do fruit series B.
504	Do	do panel, No. 71.
505	E. Poole	do do No. 68.
506	Edith Brown	do No. 47.
507	J. L. McClure	2nd year cast, No. 47.
508	Jeane Olive	do No. 46.
511	Edith Brown	do No. 62.
512	J. A. Jarman	do No. 78.
513	Miss L. Button	do No. 51.
517	E. Strom	do No. 45.
518	N. Nelson.....	do fruit series D.
519	Do	do No. 64.
521	F. French.....	do No. 51.
523	P. H. Jones	do No. 51.
524	A. Debelle	Temple of Diana—perspective.
525	B. Blakemore	Bust of Clyte.
526	Do	Heroic head.
527	H. Salmon	Diana—bust.
528	Miss E. A. Buckland ...	do do
529	G. H. Aurousseau	Bacchus.
530	Miss E. A. Buckland ...	Bust of shepherd.
531	E. Hipsley	Bust, with band round hair.
532	N. Nelson.....	2nd year cast, No. 54.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847 : Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Specimens of Industrial Work from the Sydney Technical College, &c.—*continued.*

No. of Exhibit.	Exhibitor.	Description.
		ART CLASSES—*continued.*
533	J. Gosper, L. Winter, and W. Robison.	4 casts, 1st year, Nos. 5 and 6, 36 and 29.
534	C. S. Wilkinson	4 do do Nos. 4 and 35 and 2 Nos. 8.
535	Miss L. Button	2nd year cast, No. 47.
536	Miss M. Gent	Study of a towel on wall.
537	Lucien Dechaineux	Stone bracket for wool-store.
538	H. Perrigo	Vase, with ring handle.
539	K. Collier	Octagonal vase.
540	R. Blakemore	Eye and nose.
541	H. Crawford.....	1st year cast, No. 29.
542	A. M. Chambers	Vase with ring handle.
543	F. Taylor & E. A. Smith	1st year casts, Nos. 32 and 22.
544	W. S. Robison.....	do Nos. 8 and 28.
545	Miss M. Green.....	Model of foot on stand.
546	Do	do do
547	Miss B. Biddle.....	Round vase.
548	H. Crawford and F. Atkins.	1st year casts, Nos. 42 and 25.
549		do Nos. 34 and 38.
550	F. Adams	do No. 21—outline and shading.
551	Miss M. Green	Human hand.
552	W. F. Robinson	1st year cast, No. 17.
553	Ethel Chambers	Vase.
554	M. Furber and H. Crawford.	Outline, 1st year cast, No. 7.
555		1st year casts, Nos, 36 and 37.
556	G. M. Whittingham ...	Pewter jug.
557	D. D. Johnstone	P. p. geometry.
558	F. Shenstone	2nd year cast, No. 78.
559	D. Little	P. p. geometry.
560	F. W. Leist	Fowl and pigeon house—perspective.
561	William McCulla	P. p. geometry.
562	Edith Brown	Sheet of elementary perspective.
563	H. Andrews	Perspective.
564	Henri Bastings.....	Sheet of sciography.
565	E. S. Henderson	do hooks, chains, &c.
566	E. P. Massey	Combined punching and shearing machine—perspective.
567	David Edgar	Sheet of sciography.
568	Miss E. Doyle	Hexagonal prism—cube.
569	E. Miller	2nd year cast, fruit series B.
570	H. Willis	1st year casts, Nos. 20 and 21.
	H. G. Chevin	do Nos. 38 and 24.
571	Mrs. C. Thomas	2nd year cast, No. 72.
572	Do	do No. 51.
573	Do	1st year cast, No. 36.
574	Do	2nd do No. 51.
575	Do	1st do No. 17.
647	W. Seward	2nd do panel, No. 58.
648	George Yeates	do fruit series D.
649	Do	do do B.
650	Do	do No. 59.
651	F. Shenstone	do No. 59.
667A	W. Seward	do No. 70.
671	Joseph Pryor	do fruit series B.
694	R. Holmes	do No. 74.
695	H. F. Sadley.....	do No. 74.
696	Percy Czerwonka.....	do No. 74.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Specimens of Industrial Work from the Sydney Technical College, &c.—*continued.*

No. of Exhibit.	Exhibitor.	Description.
		Modelling Class.
292	E. Mueller	Ornamental renaissance design—plaster.
293	G. Macintesh	Bust of female—Juno.
294	A. G. Reid	Bust of Australian aboriginal.
295	G. Macintosh	Original design—panel of Australian flowers.
296	P. Hankinson	2nd year cast, No. 53—plaster.
297	E. Paton	Acanthus leaf—plaster.
298	J. Larkin	2nd year cast, panel, No. 59.
299	F. Leggatt	Specimen of examination work, 1891—1st year.
	J. Larcombe	do do 2nd year.
	J. Buckley	do do 3rd year.
300	E. Mueller	Renaissance panel from photo.—plaster.
301	J. Forrest	2nd year cast, No. 67—plaster.
302	E. Paton	Bouquet of fruit—plaster.
303	Edward Mueller	2nd year cast, No. 76—plaster.
304	A. Rice	Panel renaissance—plaster.
305	Frank Leggatt	Plaster cast, acanthus leaf.
306	J. Craig	Festoon of flowers.
401	F. Liebentritt	1st year cast, No. 3, plaster.
402	A. G. Reid	Original design, "Australia," plaster.
403	G. Macintosh	Do waratah festoon.
405	Do	Do waratah and emu.
406	Do	Lion's head and cartouche from drawing, plaster.
248	D. H. Batchen	Terra-cotta bust.
424	J. S. Gillies	Plaster mask.
425	G. Russell	Do cast panel.
		Photo-Lithography Class.
408	By sundry students	6 Specimens of lithography; mounted.
409	Do	2 Do do do
410	Do	1 Specimen do do
411	Do	7 Specimens do do
582	Do	5 Photographs; mounted.
583	Do	12 Do do
584	Do	13 Do do
585	Do	9 Specimens do
		Industrial Art Class.
221	P. W. Johnson	Australian sun bird, silver and embossed design on glass.
222	Do	Letter H, glass; framed.
223	Do	Do B, do do
224	Do	Corner of ornamental design; framed.
225	Do	Do do do
269	By sundry students	Academy board, graining.
270	Do	Do do
271	Do	Do do
272	Do	Do do
273	Do	Do do
274	Do	Do do
275	Do	Do marbling, yellow.
276	Do	Do do red.
277	Do	Do do grey.
278	Do	Do do do

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847 : Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Specimens of Industrial Work from the Sydney Technical College, &c.—*continued.*

No. of Exhibit.	Exhibitor.	Description.
		INDUSTRIAL ART CLASS—*continued.*
279	By sundry students.....	Academy board, marbling, green.
280	Do	Do do do
281	George McDougall	Do letter E.
282	Do	Do do S.
286	Do	Do do B.
287	C. Burney.....	Do decorative panel.
288	Do	Do red decorative panel.
239	E. S. Taylor	Do yellow decorative design.
290	Do	Do puce decorative panel.
291	C. Burney.....	Do red and grey decorative panel.
665	E. S. Taylor & F. Prior	Interior decorations, door, red.
666	Do do ...	Do do blue.
667	Do do ...	Do do green.
672	P. W. Johnson.....	Dining-room decoration.
673	Do	Library do
674	Do	Drawing-room do
675	Do	Entrance hall do
677	Do	Lecture hall do
680	Do	Library do
426	George H. Hargreaves...	Panel pilaster—laughing jackass, wattles, grapes, and flowers.
427	Do ...	Specimen of door panel, roses.
428	Do ...	Monogram, T.S., N.S.W., rams' horns and waratahs.
429	Do ...	Decorative panel, section of Frieze.
		CALIGRAPHY CLASS.
681 684	Sundry students	4 Specimens of writing.
685-687	James Bruce	3 Do do
		PHONOGRAPHY CLASS.
658	A. Warton	Specimen of shorthand; "Geology of Bathurst."
659	By sundry pupils.....	Do do "How he died."
660	Eliza Spencer	Do do "Australian agriculture."
661	T. S. Champion	Do do "Scarlet letter."
652	Miss Edith Apps.....	Do do
653	Henry Colman.....	Do do
654	George Pender.....	Do do
655	J. S. Gillies	Do do
656	A. Chapple	Do do
657	Jennie Donn.....	Do do
		MISCELLANEOUS EXHIBITS.
229	Robert Lang.....	Photograph of staircase, top landing, Admiralty House.
230	Do	Do do bottom of ditto.
404	G. A. Thomas	Oil painting, framed, "Scene from Port Hacking, N.S.W." Sale price, 50 guineas.
412	George H. Hargreaves...	Oil painting, framed, "Murrumbidgee Whaler."
576-581	Curran, Rev. J. M.	Photographs and micro-photographs, illustrating geology of New South Wales, by the Rev. J. Milne Curran, F.G.S., Lecturer in Geology and Mineralogy to Technical Education Branch.

1204. DEPARTMENT OF PUBLIC INSTRUCTION, Sydney (Technical Education Branch, Technological Museum; Curator, J. H. Maiden, F.L.S., &c.)

The Technological Museum was instituted at the close of 1879 by the Trustees of the Australian Museum, but the whole collection of some 9,000 specimens was totally lost in the Garden Palace fire of 1882.

Strenuous efforts were at once made to replace the lost collection, and in December, 1883, the Museum was opened to the public in the Agricultural Hall, Outer Domain, and now contains interesting and valuable series of specimens illustrating the various stages of many manufactures, and an excellent collection of animal and vegetable products. Special features in the Museum are the collections of wool specimens dating back as far as the year 1800, and those of native timber, wattle barks, &c.

In January, 1890, the museum was taken over from the Trustees by the Minister of Public Instruction, and made an integral part of the Technical Education Branch.

The whole collection, which consists of over 30,000 specimens, is now being removed to a special building erected at a cost of nearly £20,000 on a site adjoining the Sydney Technical College.

In 1890 Branch Museums were established in connection with the local Technical Schools at Newcastle, Bathurst, West Maitland, and Goulburn.

The popularity of the institution may be gathered from the fact that last year it was visited by 144,253 persons, while 40,332 visited the Branch Museums.

A Century of New South Wales Economic Plants—mounted separately on sheets of cardboard, with the following particulars attached to each:—Botanical name, locality, name of product yielded by each plant.

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Economic Applications.
1	Acacia dealbata ..... (Silver Wattle).	Link	Leguminosæ.....	A highly ornamental tree, with silvery foliage. The bark is used to some extent for tanning, in the absence of Green and Black Wattle (*Acacia decurrens*).
2	Acacia decurrens, var. normalis. (Sydney Black Wattle.)	Willd.	Leguminosæ.....	Yields a valuable tan bark. This is an exceedingly variable species.
3	Acacia decurrens, var. mollis. (Green or Black Wattle.)	Willd.	Leguminosæ	do.
4	Acacia decurrens, var. pauciglandulosa. (Green Wattle.)	.....	Leguminosæ	do.

Department of Public Instruction, Sydney.—A Century of N.S.W. Economic Plants—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Economic Applications.
5	Acacia elata ..... (A Mountain Hickory; erroneously known as cedar by country people.)	A. Cunn. ...	Leguminosæ	The bark is useful for tanning purposes, and the timber is useful.
6	Acacia homalophylla ..... (Yarran.)	A. Cunn. ...	Leguminosæ	The timber is used by Europeans for tobacco-pipes, stock-whip handles, and general turnery purposes; by the aborigines, for boomerangs and spears.
7	Acacia longifolia ..... (Golden Wattle.)	Willd.	Leguminosæ	The timber has a limited use.
8	Acacia melanoxylon ..... (Blackwood.)	R. Br.	Leguminosæ	This tree yields one of the most valuable timbers in Australia. In this continent it largely takes the place of American walnut.
9	Acacia penninervis ..... (Mountain Hickory.)	Sieb.	Leguminosæ	The timber is valuable, but the tree is chiefly important as a yielder of tan-bark, large trees yielding an immense quantity, as it grows to great thickness.
10	Ackama Muelleri..... (Corkwood).	Benth.	Saxifrageæ	Yields a useful, plain timber.
11	Acronychia Baueri ..... (Brush Ash.)	Schott.	Rutaceæ	The timber of this tree possesses something of the character of orange wood. It is hard, tough, and of good appearance.
12	Ajuga australis..... (Native Bugle.)	R. Br.	Labiatæ	This plant is used in country districts as an ingredient of ointments.
13	Alphitonia excelsa ..... (Red Ash.)	Reiss.	Rhamneæ	The timber of this tree is really valuable. By age, the hardwood turns deep red, hence the name.
14	Alstonia constricta ..... (Fever Bark.)	F. v. M.....	Apocyneæ	The bark is intensely bitter, and is used as an ingredient of "bitters" and as a substitute for cinchona bark. It contains several alkaloids, and is a very interesting substance.
15	Araucaria Cunninghamii... (Colonial Pine.)	Ait.	Coniferæ	This tree is an ornamental conifer. It is also interesting as being the principal yielder of pine timber in Australia, producing the bulk of the common soft wood used in New South Wales and Queensland. This pine is brittle and apt to be discoloured by age; it cannot be compared with the best American pine timbers.
16	Atherosperma moschata... (Sassafras.)	Labill.	Monimiaceæ	The leaves of this Sassafras yield, on distillation, an essential oil, which has acquired some notice as a remedy in certain forms of heart disease.

Department of Public Instruction, Sydney.—A Century of N.S.W. Economic Plants—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Economic Applications.
17	Banksia serrata ..... (Red Honeysuckle.)	Linn.....	Proteaceæ	The timber is ornamental and is hence used for cabinet work; crooked pieces are used for "knees," in boat-building. The bark is sometimes used for tanning in country districts.
18	Callicoma serratifolia ..... (Black Wattle.)	Andr.	Saxifrageæ	The timber, although small, is useful, and is of the Beech class.
19	Callistemon salignus ..... (White Bottle Brush.)	DC.	Myrtaceæ	This plant is ornamental, and frequents damp situations. Its timber possesses some merit for the coarser kinds of wood-engraving.
20	Casuarina stricta ..... (The Oak.)	Ait.	Casuarineæ	The leaves are pollarded for stock in dry seasons. The timber is one of the best fuel woods we have.
21	Cedrela australis ..... (Red Cedar.)	F. v. M. ...	Meliaceæ	This tree, identical with or closely allied to the Toon tree of India (*Cedrela Toona*) is, without doubt, the most valuable timber tree of New South Wales. It is in every way equal to the mahogany of Central America.
22	Ceratopetalum apetalum... (Coachwood.)	Don	Saxifrageæ	The timber of this tree is really valuable, and is used in coach-building. The bark contains a good deal of "Coumarin."
23	Corchorus Cunninghamii... (A Native Jute.)	F. v. M. ...	Tiliaceæ.....	This plant is not cultivated or made use of in any way as a fibre plant.
24	Cryptocarya glaucescens... (Native Laurel.)	R. Br.	Laurineæ	Timber not durable, but used for staves and inside work.
25	Cudrania javanensis ..... (Cockspur Thorn.)	Trécul	Urticeæ.....	The wood of this thorny climber is of a deep yellow colour, and used to be employed for dyeing in this Colony, under the name of "fustic."
26	Cupania pseudorrhus	A. Rich.....	Sapindaceæ	This plant yields one of our fine-grained brush timbers, which have been put to very little use at present.
27	Cymbonotus Lawsonianus.	Gaud.	Compositæ	This small plant is used by the Chinese in the southern part of the Colony as an ingredient in a healing ointment.
28	Diploglottis Cunninghamii (Native Tamarind.)	Hook : f. ...	Sapindaceæ	This tree, which is extremely handsome in appearance, yields large quantities of a sub-acid fruit, which is much used for preserves.
29	Doryphora sassafras ..... (Sassafras.)	Endl.....	Monimiaceæ	This Sassafras is used in country districts as a tonic medicine, but it appears to possess little value for the purpose.
30	Duboisia Hopwoodii ..... (Pituri.)	F. v. M. ...	Solaneæ.....	The celebrated narcotic of the Australian aborigines. They prize it above all other things, and chewing it enables them to undergo great fatigue, and also to abstain from food for a considerable period. They also partake of it before fighting. It is only found in the interior.

Department of Public Instruction, Sydney.—A Century of N.S.W. Economic Plants—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Economic Applications.
31	Duboisia myoporoides ..... (Duboisia or Corkwood.)	F. v. M. ...	Solaneæ.....	The leaves are used in the preparation of Duboisine and its salts, used in ophthalmic surgery.
32	Dysoxylon Muelleri..... (Red bean.)	Benth.	Meliaceæ	A valuable timber, closely allied to Red Cedar and Colonial Rosewood.
33	Elæocarpus cyaneus ..... (Blueberry Ash.)	Ait.	Tiliaceæ.....	A small tree of a highly ornamental character, owing to its feathery white flowers, which are succeeded by an abundance of Prussian Bluesberries. The timber is a useful white timber, possessing some characteristics of Ash.
34	Erythreæa australis ..... (Native Centaury.)	R. Br.	Gentianeæ	This plant is allied to Gentian, and is an efficient substitute for that drug. The whole plant is used in infusion. It is a pure tonic bitter, and it is largely used in country districts as a remedy in indigestion, and also in diarrhœa and dysentery.
35	Eucalyptus amygdalina ... (Peppermint.)	Labill.	Myrtaceæ	A tree yielding a fairly useful timber, but most important for its yield of essential oil. A large percentage of the Eucalyptus oil of commerce is prepared from this species.
36	Eucalyptus capitellata ... (Coast Stringybark.)	Sm.	Myrtaceæ	Often known as Coast Stringybark, though it has no exclusive claim to the name. The timber is useful, and of a fissile character. The bark of Stringybarks is used for roofing and rough tying material in the colonies.
37	Eucalyptus corymbosa ... (Bloodwood.)	Sm.	Myrtaceæ	The timber is useful, though it is apt to be deteriorated by gum veins. It is very durable for posts, &c., being largely resistant to damp and the attacks of white ants. It freely yields a medicinal kino.
38	Eucalpytus crebra ..... (Narrow Leaf Ironbark.)	F. v. M. ...	Myrtaceæ	An ironbark, and one of the most valuable timbers Australia produces.
39	Eucalyptus goniocalyx ... (Mountain Gum.)	F. v. M. ...	Myrtaceæ	Yields a valuable timber of a pale colour; very durable.
40	Eucalyptus hemiphloia ... (Box.)	F. v. M. ...	Myrtaceæ	A tough interlocked timber, one of the most valuable of the hardwoods for purposes of construction. It also forms splendid fuel.
41	Eucalyps tumaerorrhyncha. (Red Stringybark.)	F. v. M. ...	Myrtaceæ	This timber is most esteemed of all the fissile timbers known as stringybark.
42	Eucalyptus maculata ..... (Spotted Gum.)	Hook.	Myrtaceæ	A valuable wood for superstructure. It is not durable when exposed to damp.

Department of Public Instruction, Sydney.—A Century of N.S.W. Economic Plants—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Economic Applications
43	Eucalyptus Maideni ..... (Blue Gum.)	F. v. M. ...	Myrtaceæ	An excellent timber, differing in no important particular from that of *Eucalyptus globulus*.
44	Eucalyptus melliodora ... (Yellow Box.)	A. Cunn. ...	Myrtaceæ	A valuable interlocked timber.
45	Eucalyptus microcorys ... (Tallow Wood.)	F. v. M.....	Myrtaceæ	A timber extensively used in the Colony for flooring-boards. It is also esteemed for pickets, verandah posts, &c.
46	Eucalyptus pilularis ..... (Blackbutt.)	Sm.	Myrtaceæ	A timber valuable on account of its great strength, which causes it to be largely used in engineering works. A drawback is its liability to concentric gum veins.
47	Eucalyptus piperita..... (Peppermint.)	Sm.	Myrtaceæ	The leaves yield a useful Eucalyptus oil. Kino is exuded by the tree; but the timber is very inferior.
48	Eucalyptus polyanthema.. (Lignum Vitæ or Bastard Box.)	Schau	Myrtaceæ	A tough and durable timber.
49	Eucalyptus resinifera..... (Forest Mahogany.)	Sm.	Myrtaceæ	A timber possessing great durability, combined with handsome appearance.
50	Eucalyptus robusta..... (Swamp Mahogany.)	Sm.	Myrtaceæ	A valuable timber tree for cultivation in swampy places; the timber very durable.
51	Eucalyptus rostrata ..... (Red Gum.)	Schlecht ...	Myrtaceæ	This tree grows in land subject to inundations, and almost always along the course of a river or creek. Along the Murray and Edwards Rivers, New South Wales, it exists in the greatest abundance. It is durable, and is used for railway sleepers, bridges, &c.
52	Eucalyptus saligna..... (Blue or Flooded Gum.)	Sm.	Myrtaceæ	One of the most easily worked of our hard woods, and hence valued by carpenters and others. It is strong and durable.
53	Eucalyptus siderophloia... (Broadleaf Ironbark.)	Benth	Myrtaceæ	For strength and durability this timber stands pre-eminent. Only beaten by *Eucalyptus paniculata*, the king of ironbarks.
54	Eucalyptus Sieberiana ... (Mountain Ash.)	F. v. M.....	Myrtaceæ	A pale-coloured, tough, straight-grained timber, used in the colony for many of the purposes to which Ash is put in America.
55	Eucalyptus Stuartiana ... (Apple Tree or Woolly Butt.)	F. v. M.....	Myrtaceæ	The timber is of very inferior quality; it however yields some kino.

Department of Public Instruction, Sydney.—A Century of N.S.W. Economic Plants—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Economic Applications.
56	Eucalyptus tereticornis ... (Red Gum or Grey Gum.)	Sm.	Myrtaceæ	This tree is very closely related to *E. rostrata*, and its timber may be substituted for that of the latter. *E. tereticornis* is a forest tree; *E. rostrata* grows by rivers.
57	Eucalyptus viminalis ..... (Manna Gum.)	Labill	Myrtaceæ	Timber as a rule of inferior quality, though a Grey Gum sometimes attributed to this species is one of the most durable of our timbers when exposed in damp situations. It yields much kino, and is the species which yields manna most freely.
58	Eucryphia Moorei ..... (Plumwood)	F. v. M.....	Saxifrageæ	An ornamental tree. The timber is plain, easy working, and generally useful. Locally it is used for the panelling of buggies.
59	Eugenia Smithii ..... (Lilly Pilly.)	Poir	Myrtaceæ	This is one of the most ornamental small trees we have; it is shapely, has rich glossy foliage, and bears globular fruit (white tinged with purple), in the greatest profusion. This fruit is eaten by aborigines and children; the timber is not much esteemed.
60	Exocarpus cupressiformis.. (Native Cherry.)	R. Br.	Santalaceæ	A small tree of beautiful drooping habit, resembling many conifers. The timber is valuable for turnery work. This is the tree whose fruit has been so often described as a cherry with the stone outside.
61	Ficus aspera..... (Sand-paper Fig.)	G. Forst. ...	Sterculiaceæ.....	The leaves are very rough, and in country districts are sometimes used as a substitute for sandpaper. The fruit is eaten by the aborigines. The timber is soft, and is not much thought of.
62	Flindersia australis..... (Flindosa, or Cudgerie.)	R. Br.	Meliaceæ	A valuable timber belonging to the Beech class; in fact, it is often sold as Colonial Beech. It is largely used for railway keys.
63	Frenela Muelleri ..... (Cypress Pine.)	Parlat.	Coniferæ	An ornamental Conifer. The timber is not large, but it is useful when not exposed to transverse strain.
64	Geijera parviflora..... (Wilga, Dogwood.)	Lindl.	Rutaceæ	One of our best shade trees in the arid Western district. A most valuable tree to stand extreme droughts. Sheep eat the foliage of it, but not freely; only when grass cannot be got.
65	Gmelina Leichhardtii ..... (Beech.)	F. v. M.....	Verbenaceæ	This timber ranks with Red Cedar, Blackwood, and Ironbark, in the very front rank of our Colonial timbers. As its name denotes, it is a timber of the Beech class. It is extensively used in the Colony for flooring-boards, turnery, and general building purposes. Its resistance to shrinkage is remarkable, a valuable property in a country where timbers as a rule are felled, converted, and used with as little delay as possible.

Department of Public Instruction, Sydney.—A Century of N.S.W. Economic Plants—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Economic Applications.
66	Gratiola peruviana ..... (Native Brooklime.)	Linn.	Scrophularineæ...	This plant is largely used in the Colony as a remedy in indigestion.
67	Grevillea robusta..... (Silky Oak.)	A. Cunn. ...	Proteaceæ.....	An ornamental, quick-growing tree. The timber is of an ornamental character; it also splits well and is used for cask staves.
68	Hakea saligna	R. Br.	Proteaceæ.....	A small tree, yielding a yellowish timber.
69	Hardenbergia (Kennedya) monophylla. (False Sarsaparilla.)	Vent.....	Leguminosæ	A pretty climbing plant bearing a profusion of purple blossoms. Its leaves are often erroneously employed by herbalists as a substitute for the Native Sarsaparilla (Smilax glyeyphylla).
70	Harpullia pendula ..... (Tulip Wood.)	Planch.....	Sapindaceæ	A beautiful tree for avenues in moist, sub-tropical climates. Its timber is hard, and remarkably handsome, showing a rich combination of blackish figurings on a yellow ground. It is highly prized in the Colony, and it is very durable.
71	Leptomeria acida..... (Native Currant.)	R. Br.....	Santalaceæ	The greenish acid fruit is pleasant to the taste, and is largely used for home-made jam and jelly.
72	Leptospermum scoparium (Tea Tree.)	Forst.	Myrtaceæ	This is the plant called Tea Tree, because Captain Cook's sailors utilised its leaves as a substitute for tea. The name Tea Tree has now come into general use to designate the shrubby Myrtaceæ.
73	Macadamia ternifolia ..... (Queensland Nut.)	F. v. M.....	Proteaceæ.....	This small tree yields one of the best edible nuts Australia produces. A drawback is the excessive thickness of the shell. In spite of its name, it is also indigenous to northern New South Wales.
74	Mallotus philippinensis ... (Kamala, of India.)	Muell. Arg ..	Euphorbiaceæ ...	The reddish powdery covering of the capsules is largely employed in India (where it is also indigenous) as a dye, under the name of Kamala. In New South Wales it extends as far south as Port Stephens, its southernmost locality.
75	Melaleuca leucadendron... (Broad-leaf Tea Tree.)	Linn.....	Myrtaceæ	This coast species is interesting from the fact that it is so closely allied to the species which in the Malay Archipelago produces the Cajeput Oil of commerce. Its timber is very durable.
76	Melia composita ..... (White Cedar.)	Willd.	Meliaceæ	One of the few deciduous trees of this Colony, to which, of course, it is not endemic. It is very ornamental, and is often planted, especially as it does well on stiff clay soils. Its timber is not much thought of, but it is useful for bedroom furniture.

Department of Public Instruction, Sydney.—A Century of N.S.W. Economic Plants—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Economic Applications.
77	Monotoca elliptica ..... (Beech, or Pigeon-berry Tree.)	R. Br.....	Epacrideæ.....	A small tree never found very far from the coast. Locally its timber is much sought after for tool handles.
78	Myoporum acuminatum ... (Dogwood.)	R. Br.....	Myoporineæ	A useful tree to plant in districts much exposed to the sea air. Its timber is useful, though of no particular merit.
79	Myriogyne minuta ..:..... (Sneezewood.)	Less.	Compositæ	This plant has come largely into notice on account of the relief an infusion or decoction of it affords in cases of "eye blight," which is very prevalent in western New South Wales.
80	Nephelium leiocarpum ...	F. v. M.....	Sapindaceæ	Boys eat the red, slightly sweet arillus of the fruit of this tree. The tree is ornamental, but little is known of the value of its timber.
81	Panax elegans ..... (White Sycamore, Black Pencil Cedar.)	F. v. M.....	Araliaceæ	A beautitul trec, well worthy of attention for ornamental purposes. The wood is white and of no durability.
82	Pentaceras australis ..... (Scrub White Cedar.)	Hook.	Rutaceæ	Timber close grained and firm; worthy of attention by the carver.
83	Pimelea ligustrina ..... (Snow-ball Bush.)	Labill.	Thymelaceæ	This small shrub yields a beautiful silky fibre, formerly much used by the aborigines for the finer kinds of netting and basket work.
84	Piper Novæ-Hollandiæ ... (Native Pepper.)	Miq.	Euphorbiaccæ ...	The stems of this gigantic vine are used in certain urinary complaints.
85	Pittosporum phillyræoides (Native Daphne.)	D. C.....	Pittosporeæ	The leaves of this beautiful small tree, sometimes called "Native Willow" on account of its drooping habit, is valuable for stock fodder in the arid regions in which it grows.
86	Pittosporum revolutum ... (Cheesewood.)	Ait.	Pittosporeæ	A coast species never attaining any great size. Its timber is useful for carving.
87	Podocarpus elata ..... (Brown Pine.)	R. Br.	Coniferæ	A useful soft wood of the Pine class.
88	Rhagodia Billardieri ..... (Salt Bush.)	R. Br.	Chenopodiaceæ ...	Used as a fodder plant.
89	Rubus rosæfolius ..... (Native Raspberry.)	Sm.	Rosaceæ	Though tempting to the eye, this raspberry is insipid.

Department of Public Instruction, Sydney.—A Century of N.S.W. Economic Plants—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Economic Applications.
90	Smilax glycyphylla ..... (Native Sarsaparilla.)	Sm.	Liliaceæ	The leaves of this trailing plant contain the sweet principle "glycyphyllin," and are used in the Colony as a substitute for the Sarsaparilla of Central America.
91	Stenocarpus salignus ..... (Silky Oak, Beefwood.)	R. Br.	Proteaceæ	One of the most ornamental of our timbers, being of a rich deep red colour with a beautiful figure. It has been largely used for the prosaic work of cask making.
92	Sterculia diversifolia ..... (Kurrajong.)	G. Don	Sterculiaceæ	A valuable tree, on account of its resistance to drought. It is a beautiful shade tree, and cattle eat its leaves greedily when grass fails. An invaluable tree in this Colony.
93	Syncarpia laurifolia..... (Turpentine.)	Ten.	Myrtaceæ	A beautiful shade-tree in the coast and less elevated mountain districts. The timber is durable underground, particularly resistent to the attacks of marine borers, and hence valuable for piles, and also uninflammable and strong.
94	Synoum glandulosum..... (Bastard Rosewood.)	A. Juss.....	Meliaceæ	A small tree yielding a useful, fairly ornamental timber.
95	Tabernæmontana orientalis (Bitter Bark.)	R. Br.	Apocyneæ	As its name denotes, the bark of this small tree is intensely bitter, and hence is used in the Colony as a tonic.
96	Tarrietia argyrodendron... (Silver Tree.)	Benth.	Sterculiaceæ	A large tree very ornamental in habit. The underside of the leaves is of a silvery appearance, and adds to the beauty of the tree. The wood is hard and also splits freely, hence its use for staves.
87	Tristania laurina ..... (Water Gum.)	R. Br.	Myrtaceæ	An ornamental small tree, found in shady gullies, near running water; timber strong and durable.
98	Weinmannia Benthami ... (Leather Jacket.)	F. v. M.....	Saxifrageæ	A plain, free-working timber, useful for general purposes.
99	Xylomelum pyriforme ... (Native Pear.)	Knight	Proteaceæ	This is a small tree and the timber has a pretty figure. It is principally remarkable for the exceedingly thick, woody, pear-shaped covering to the seed, hence its name, "Wooden Pear."
100	Zanthoxylum brachyacanthum. (Satin Wood, or Prickly Yellow Wood.)	F. v. M.....	Rutaceæ	This timber has a pretty sheen, and is useful. Its bark is bitter, and is supposed to possess medicinal properties.

1205. DEPARTMENT OF PUBLIC INSTRUCTION, Sydney (Technical Education Branch, Technological Museum: Curator, J. H. Maiden, F.L.S., &c.)

Substances used as Food chiefly by the Aborigines of New South Wales.

[A full account of the fruits, roots, &c., of indigenous plants used by the aboriginals as food will be found in a paper by the Curator in the *Proceedings of the Linnean Society of N.S.W.*, Part II., 1888.]

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
1	Acacia anceura ..... (Mulga Apples.)	F. v. M..	Leguminosæ ..	Dry Lakes, Wilcannia .. Collected, 5th August, 1887.	In western New South Wales two kinds of galls are commonly found on these trees. One kind is very plentiful, very astringent, and not used; the other is less abundant, larger, succulent, and edible, and known by the name of "Mulga apples."
2	Acacia cibaria	F. v. M..	Leguminosæ ..	Olive Downs, Tibooburra, New South Wales. Found in New South Wales and Western Australia.	It has already (1883) been recorded that these seeds are used by the aborigines of Western Australia for food. It will be observed that the present samples are larger than most acacia seeds (resembling small castor-oil seeds somewhat), have an excessively hard and very thick coat, and what little nutritive matter they contain seems liable to the attacks of insects.
3	Achras australis ..... (Black Apple.)	R. Br. ..	Sapotaceæ	Lismore, New South Wales.	The fruit is of a coarse insipid flavour, but nevertheless it yields a very fair preserve or jelly, which is largely prepared in the coast districts in this colony by country people.
4	Antidesma Dallachyanum.. (Herbert River Cherry.)	Baillon..	Euphorbiaceæ	Herbert River, Queensland.	A delicious acidulous fruit, of the size of a small cherry.
	Aspidium cordifolium..... (Edible tubers.)	Sm.	Filices	Tucki Tucki, Wyrallah, New South Wales.	This is the so-called Potato-fern. The tubers used to be eaten by the blacks. They cannot, however, be very nutritious, as they largely consist of water, and will, in fact, quench the thirst. When fresh they are beautifully translucent, and are often very abundant.
6	Citrus australasica ..... (Native Finger Limes.)	F. v. M..	Rutaceæ	Lismore, New South Wales.	The fruits are so-called because of the shape of, but rather more stumpy than, a man's finger. They are used to make an acidulous drink. The plant yielding them is a tall shrub, and is used as a useful stock for oranges, lemons, &c., as it grows in swampy, undrained ground.
7	Dodonæa attenuata..... (Native Hops.)	A. Cunn.	Sapindaceæ....	Ivanhoe, *via* Hay ..... Found in the interior of Australia.	In the early days of settlement the fruits of these trees were extensively used, beer of excellent quality being prepared from them. They are still so used to a small extent. In times of drought cattle and sheep eat them.
8	Drimys aromatica..... (Native Pepper or Allspice.)	F, v. M..	Magnoliaceæ ..	Delegate River, New South Wales.	An excellent spice, being a fair substitute for pepper, or rather allspice.
9	Drimys dipetala	F. v. M..	Magnoliaceæ ..	Sugar-loaf Mountain, near Braidwood, New South Wales.	This bark has a hot, pungent, taste.
10	Drimys dipetala ..... (Pepper-tree.)	F. v. M..	Magnoliaceæ ..	Braidwood, New South Wales.	These fruits are edible but insipid; the little black seeds are very pungent to the taste.

Department of Public Instruction, Sydney.—Substances used as Food by the Aborigines of N.S.W.—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
11	Eugenia Hodgkinsoniæ.	F. v. M..	Myrtaceæ	Lismore, New South Wales.	A pleasantly acidulous fruit.
12	Eucalyptus viminalis ..... (Eucalyptus Manna).	Labill ..	Myrtaceæ	Near Braidwood ..... Collected 11th September, 1886. Found in South Australia, Victoria, New South Wales, and Tasmania.	From the bark of this tree there exudes a kind of manna. It is a crumbly white substance, of a very pleasant, sweet taste, and in much request by the aborigines. This white, nearly opaque, manna, from the normal *E. viminalis*, was sent by Mr. Bäuerlen from Monga, near Braidwood. It is in small pieces, about the size of peas, but of irregular, flattened shape. In appearance it very much resembles lime when naturally crumbled or slaked by exposure to a moist atmosphere. It is composed of an unfermentable sugar called *Eucalin*, which is peculiar to the sap of the Eucalypts, together with a fermentable sugar, supposed to be *Dextroglucose*. The manna is derived from the exudation of the sap, which "drying in the hot, parched air of the mid-summer, leaves the sugary solid remains in a gradually increasing lump, which ultimately falls off, covering the ground in little irregular masses." (M'Coy.) This exudation of the sap is said by M'Coy to take place from the boring of the "Great Black or Manna Cicada" (*C. mœrens*). Though the "Black Cicada" may produce some manna, yet the bulk of it in Australia is caused by much smaller homopterous insects belonging to the *Eurymela* and other allied genera. The Lammellicorn beetles, belonging to the genus *Anoplognathus*, by eating the leaves are said to cause manna, while several of the aphids by attacking the young shoots, produce exudations of a similar character.
13	Fusanus acuminatus ..... (Quandong Kernels.)	R. Br. ..	Santalaceæ	Ivanhoe *via* Hay..... The species is found in all the Colonies.	These kernels are quite spherical, and are very good eating. They are so rich in oil that, when strung on a reed, they burn away with a smoky flame.
14	Fusanus acuminatus ..... (Quandong fruits — the fleshy covering of the seed Quandong.)	R. Br. ..	Santalaceæ	.. :.....	These are the fleshy pericarps which envelop the seeds, known as Quandongs. They make an excellent sub-acid preserve and jelly, having somewhat the same flavour as the black guava.
15	Fusanus acuminatus ..... (Quandongs.)	R. Br. ..	Santalaceæ	.....	The seeds, which are used for making bracelets and other ornamental purposes.
16	Flindersia australis..... (Flindosa.)	R. Br. ..	Meliaceæ	Near Ballina. Collected May, 1888. Species found, N.S.W. and Queensland.	The fruit-cases. These natural rasps are used by the natives of the Moluccas for rasping roots, and so forth, and they are doubtless used by the Australian aboriginals for a similar purpose.
17	Macadamia ternifolia .... (Queensland Nut.)	F. v. M..	Proteaceæ	Richmond River, New South Wales.	This nut, which has an exceedingly thick shell, is of excellent flavour, and is relished alike by both aborigines and Europeans. As it forms a nutritious article of food to the former, timber getters are not allowed to fell these trees. It is well worthy of extensive cultivation, especially as it forms an ornamental shrub or small tree.
18	Macrozamia Fraseri..... (Boyar Palm Nut.)	Miq.	Cycadeæ	Western Australia.....	The nuts or seeds of the Macrozamias are full of starch, and are used by the aborigines for food wherever they occur. They are acrid when newly gathered, but steeping in water removes the poisonous principle, and they then form a nutritious article of food.

Department of Public Instruction, Sydney.—Substances used as Food by the Aborigines of N.S.W.—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
19	Macrozamia spiralis..... (Burrawang Nut.)	Miq.	Cycadeæ	Illawarra District..... Found in New South Wales and Queensland.	The nuts are relished by the aborigines. An arrowroot of a very good quality is obtained from them. This is a fair sample.
20	Marsdenia Leichhardtiana.. (Doubah.)	F. v. M..	Asclepiadaceæ..	Ivanhoe, near Hay .... Found in all the Colonies except Tasmania.	The fruits, in various degrees of ripeness. The milky, unripe fruits of this tree are eaten by the aboriginals. In this state they are about the size of a large acorn, but more pointed at the ends. Sir Thomas Mitchell speaks of the aboriginals as eating the fruits seeds and all, but they were pronounced better roasted. The tubers, or "yams," produced by these plants were also eaten by the aborigines.
21	Marsilea quadrifolia..... (Nardoo, Clover-fern.)	Linn. ..	Marsiliaceæ....	Swamps of Darling River. All the Colonies except Tasmania.	The "seeds" or spore cases. In the summer months the swamps containing this plant dry up, and it withers completely away, but the seeds remain. In former years, and even now in remote districts, the natives used to collect these, grind them between two stones, so as make a kind of flour or meal, which they made into paste, and used as an article of food. It contains very little nutritive matter, and must be exceedingly difficult to digest. Nevertheless, the fruit of this plant (or perhaps *Sesbania aculeata*)—see Bailey's remarks (Proc. Linn. Soc. N.S.W., vii)—were the diet the Burke and Wills expedition were at one time reduced to. The following quotation from Wills' Journal, is taken from Brough Smyth's "Aborigines of Victoria":—"I cannot understand this Nardoo at all; it certainly will not agree with me in any form. We are now reduced to it alone, and we manage to get from four to five pounds a day between us. * * * It seems to give us no nutriment. * * Starvation on Nardoo is by no means very unpleasant, but for the weakness one feels, and the utter inability to move oneself, for, as far as appetite is concerned, it gives me the greatest satisfaction."
22	Mylitta australis ..... (Truffles or Native Bread.)	Berk. ..	Fungi	New South Wales.....	This insipid, underground fungus is generally met with by accident. When growing rapidly, it sometimes causes the ground to crack, and may thus be discovered by a careful observer, as it probably was by the aborigines, who used it as food. It should be boiled, though cooking changes its character but little. It is said to taste like boiled rice. "The largest I have seen is about the size of a child's head, but a much larger one was dug up at Melbourne some months ago." (Woolls, 1859.) It has a black skin, which drops off in little fragments, enclosing a veined, white mass, which at first is soft, and has a peculiar acid smell, but when dry becomes extremely hard and horny. (*Treasury of Botany.*) Mr. Brough Smyth likens its appearance to unbaked brown bread. Backhouse states that the natives always informed him they obtained it from the neighbourhood of a rotten tree. An interesting note on a specimen from Tasmania by Mr. Wm. Southall, F.L.S., will be found in *Pharm. Journ.* [3] XV, 210, and a drawing of a section of a young plant is also given.

Department of Public Instruction, Sydney.—Substances used as Food by the Aborigines of N.S.W.—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
23	Myoporum platycarpum.... (Sandalwood Manna.)	R. Br. ..	Myoporineæ ..	Ivanhoe, *via* Hay ..... Found in all the Colonies except Tasmania and Queensland.	The saccharine exudation, or manna, from this tree is of a dirty color, as usually seen. Like other mannas, it deteriorates with age. It is plentiful in many parts of of Australia, and if in demand could be collected in good quantity and of a fair colour. In composition it is almost identical with the European manna obtained from *Fraxinus ornus*, being principally Mannite. For an investigation of this exudation see paper by the Curator, Proc. Roy. Soc. S. Australia, 1892.
24	Owenia acidula ..... (Mooley Fruit, or Native Nectarine.)	F. v. M..	Meliaceæ	Yancannia, Wilcannia, New South Wales.	The sub-acid fruit of this tree relieves thirst. It is eaten both by colonists and aborigines, and is of the size of a small nectarine.
26	Portulaca oleracea ..... (Purslane Seeds.)	Linn. ..	Portulaceæ	Near Hay ..... Found in all the colonies, except Tasmania.	The seeds of this plant are largely used for food by the natives of Western Queensland and New South Wales. One would suppose that so small a seed would scarcely repay the labour of collecting; but the natives obtain large quantities by pulling up the plant and throwing them in heaps, which, after a few days, they turn over, and an abundant supply of seed is found to have fallen out, and can be easily gathered up. The food prepared from this seed must be highly nutritious, for, during the season that it lasts, the natives get in splendid condition on it. The seeds are jet black, and look like very fine gunpowder. The natives grind them in their usual mill (*i.e.*, a large flat-stone or bed-stone, on which the seed is put, and a smaller one, to be held in the hand for grinding), and of the flour they make a coarse paste. The herb itself is an excellent antiscorbutic, and in vast tracks of arid country the only one which has been noticed. This is a fact of the greatest importance to travellers in such parts of Australia.
27	Podocarpus elata ..... (Native Damson.)	R. Br. ..	Coniferæ	Coastal, New South Wales.	This fruit consists of an astringent aromatic, resinous nut, egg-shaped, and something like a sloe, sitting upon a fleshy substance (the swollen peduncle) of a purplish or damson colour, which is the "damson." Aborigines and white boys eat these "damsons" greedily.
28	Pteris aquilina, var esculenta (Bracken or Brake fern.)	Linn. ..	Filices	Throughout the world.. These particular specimens came from Rockdale, Sydney.	These rhizomes contain a little starch and mucilage. They were (and are still in some parts) crushed by the aborigines, the starch washed out, and used for food. In Japan the starch from this fern is called "Warabi," and is obtained in the following manner:—In the season when the fern is withered, and no young shoot is to be seen, its root is collected, cut up into pieces, pounded, washed, decanted, and the settled starch is collected and dried. It is mixed with wheat, flour, or rice-meal, and made into cakes, &c. It will be news to some to learn that a beautiful starch can be obtained from so despised a weed.
29	Sersalisia sericea ..... (Wangi.)	Benth. and J. Hook.	Sapotaceæ	Thursday Island, Northern Queensland.	The great fruit-bearing tree of the islands of the Torres Straits. The shape of the fruit may be described as between a date and a fig, and with one or more brown, shiny, largish seeds. The natives consume them largely.
30	Spondias pleiogyna ..... (Burdekin Plum.)	F. v. M..	Anacardiaceæ .	Queensland.....	In shape the fruit is something like a small mandarin orange, and the colour is like that of an ordinary black plum. It has a large stone, but the succulent portion is of pleasant, acidulous flavour, somewhat like an apple. It is one of the best eating of our indigenous fruits. Like some other fruits of its class it is fitted for eating by being buried in the ground for forty-eight hours.

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1206. DEPARTMENT OF PUBLIC INSTRUCTION, Sydney (Technical Education Branch, Technological Museum: Curator, J. H. Maiden, F.L.S., &c.)

New South Wales (chiefly) Vegetable Substances, reputed to possess Medicinal properties.

[For further information, see a paper by the Curator in the *Proc. Linnean Society of New South Wales*, March, 1888.]

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
1	Akania Hillii ..... (Horse-radish tree bark.)	Benth. ..	Sapindaceæ....	Teven Creek, Ballina, New South Wales.	The bark of this tree has a peculiar odour, from which it owes its name. It is supposed to possess medicinal properties.
2	Alstonia constricata..... (Fever-bark or Bitter-bark.)	F. v. M..	Apocyneæ	New South Wales.....	A sample of the bark, as usually found in commerce. A decoction is sometimes sold in the colonies as "bitters." It is a fair substitute for cinchona bark. Several alkaloids have already been found in it. It is stated to have been used in England as a substitute for hops in some ales for export.
3	Atherosperma moschata.... (Victorian Sassafras.)	Labill. ..	Monimiaceæ ..	Bonang, Delegate..... Collected 19th May, 1887. Found in New South Wales, Victoria, and Tasmania.	This bark contains an agreeable bitter, of much repute amongst sawyers. Its odour much resembles that of the true sassafras. Mr. Bosisto likens the smell of the inner bark to new ale, and says that a decoction from this part of the tree is a good substitute for yeast in raising bread. It is a diaphoretic and diuretic in asthma and other pulmonary affections; but it is known more especially for its sedative action on the heart, and it has been successfully used in some forms of heart disease. This has been lately disputed. It is prepared of the strength of 4 ounces of the bark to 20 ounces of rectified spirit, and is given in doses of 30 to 60 drops, usually on a lump of sugar. The volatile oil of the bark is said to have a lowering action on the heart.
4	Atherosperma moschata.... (Sassafras leaves.)	Labill. ..	Monimiaceæ ..	Delegate ..... Collected 22nd May, 1887	These leaves possess some of the properties of the bark, though in an inferior degree.
5	Boronia rhomboidea	Hook ..	Rutaceæ	Charley's Forest, Braidwood. Collected 16th July, 1887. Species found New South Wales, Victoria, and Tasmania.	This plant has for some time been used in the southern portion of the Colony to expel worms in horses. It is chopped up and mixed with their fodder.
6	Callitris calcarata..... ("Pine, Murray or Cypress Pine leaves.")	R. Br. ..	Coniferæ	Quiedong, near Bombala. Collected 8th April, 1887. Species found New South Wales, Victoria, and Queensland.	Used in the same way and for a similar purpose to *Boronia rhomboidea*.

Department of Public Instruction, Sydney.—N.S.W. reputed Medicinal Vegetable Substances—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
7	Centipeda Cunninghami .. Syn. : *Myriogyne minuta.* N.B. — This plant has scarcely less than twenty botanical synonyms. It will suffice to give two :— *Centipeda Cunninghami* (F. v. M.) and *C. orbicularis* (Lour.), which are ranked by Baron Mueller as distinct species. Both are shown in the present collection. ("Sneezeweed.")	F. v. M.. Less.	Compositæ	Quicdong, near Bombala. Collected 28th February, 1887. Species found throughout the Colonies.	The following letter from the Rev. Dr. Woolls, of Richmond, to the editor of the *Sydney Morning Herald*, appeared in that journal on Christmas Day, 1886. I give it in full, as if this plant only partially realizes the expectations which are formed of it, it will be a valuable addition to our indigenous vegetable *materia medica*. The following is Dr. Woolls' letter :—"Some weeks since, the Rev. S. G. Fielding, of Wellington, called my attention to a weed (known to botanists as *Myriogyne minuta*, of the composite order) which he stated had been used with success in cases of blight. Being anxious to test the efficacy of the remedy, and to ascertain whether any bad effects would arise from its application, I placed some of it in the hands of Dr. Jockel, of this town, who has furnished me with the following remarks :—'I have much pleasure in testifying to the efficacy in cases of ophthalmia of the plant which you so kindly sent me. A case came under my notice a few days ago of a drover who was suffering from a severe form of purulent ophthalmia, contracted up the country. I made an infusion of the plant, according to directions, and the first local application seemed to have almost a magical effect. The man expressed himself as relieved at once of the intense smarting which he had previously suffered. He got on so well that in two days he was able to start back up country again, and could hardly express his gratitude for the very great relief afforded.—Louis C. Jockel, L.R.C.P., Edin,, &c.'" I find, from a communication from Baron Mueller, that for some time past he has had an idea that *Myriogyne* might be used for medicinal purposes, and that he had actually submitted it to Dr. Springthorp, an eminent physician in Melbourne, for the purpose of experiment. The Baron, however, was not aware of its efficacy in simple ophthalmic inflammation, and he regarded the discovery as interesting. I mention this as a matter of justice to Dr. Jockel, who, I believe, is the first medical man in Australia who has proved the value of *Myriogyne* in a case of ophthalmia. This weed, growing as it does on the banks of rivers and creeks, and in moist places, is common to all the Australian colonies and Tasmania, and it may be regarded as almost co-extensive with the disease which it is designed to relieve. It is described in the "Flora Australiensis," vol. 3, p. 553, and figured amongst Baron Mueller's plants of Victoria. In the document relating to the Intercolonial Exhibition, 1866-7, it is noticed as remarkable for its sternutatory properties, and recommended for the manufacture of snuff ; and I find that Endlicher, in alluding to the species of the genus *Myriogyne*, characterises them as "*herbæ ramosissimæ acres sternutatoriæ*" (*Genera Plantarum*, p. 440). The Rev. Mr. Hartmann says (Brough Smith's "Aborigines of Victoria," ii. 173) that this plant is used as medicine by the aborigines of Lake Hindmarch, but he does not say for what complaint. It is also found in India, Madagascar, and Japan. The natives of India consider it a hot and dry medicine, useful in paralysis, pains in joints, and special diseases ; also as a vermifuge (Cyclop. of India). It is coming increasingly into use as a remedy for blight in New South Wales.

Department of Public Instruction, Sydney.—N.S.W. reputed Medicinal Vegetable Substances—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
8	Centipeda orbieularis ..... Syn.: *Myriogyne minuta.* ("Sneezeweed.")	Lour .... Less.	Compositæ	Quiedong, near Bombala. Collected 3rd April, 1887. Found throughout the Colonies.	See *C. Cunninghamii.*
9	Codonocarpus cotinifolius .. (Quinine-tree, or Medicine-tree.)	F. v. M..	Phytolacceæ ..	Wilcannia. Collected 6th August, 1887. Found in all the Colonies except Tasmania and Queensland.	The bark. It is exceedingly brittle, and contains a peculiar bitter, which perhaps possesses medicinal properties. The taste is, however, quite distinct from quinine.
10	Cymbonotus Lawsonianus..	Gaud. ..	Compositæ	Quiedong, near Bombala. Collected 6th April, 1887.	In the southern parts of New South Wales the country people prepare a salve used for wounds, by extracting the medicinal properties of this plant by means of melted lard. Alternate layers of lard and leaves are made, the mass is allowed to cool slowly, and afterwards the lard is run out and is ready for use. Some country folk are loud in their praises of its quick healing effects. Mr. Bäuerlen tells me they copied the use of this plant from the Chinese. Although this humble plant is found in all the colonies, it does not extend to China ; so the Chinese probably first used it in quite an empirical manner.
11	Daphnandra micrantha .... (Sassafras.)	Benth. ..	Monimiaceæ ..	Tintenbar, New South Wales.	The bark of this tree is very bitter, and is in much repute in some localities as a tonic.
12	Doryphora sassafras ..... (Sassafras Bark.)	Endl.....	Monimiaceæ ..	Cambewarra. Collected 13th August, 1886. Found in New South Wales and Queensland.	The bark is used as a tonic medicine. It is taken in the form of an infusion. It has a pleasant, aromatic odour.
1	Doryphora sassafras..... (Sassafras Leaves.)	Endl.....	Monimiaceæ ..	The Valley, near Springwood. Collected 1st April, 1888.	The leaves. They are sometimes used as a substitute for the bark. They are aromatic, and possess its properties in an inferior degree.
14	Drimys aromatica..... (Pepper-tree.)	F. v. M..	Magnoliaceæ ..	Sugar-loaf Mountain, Braidwood.	This bark possesses similar properties to the Winter's bark of the Straits of Magellan.

Department of Public Instruction, Sydney.—N.S.W. reputed Medicinal Vegetable Substances—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
15	Duboisia Hopwoodii ..... (Pituri.)	F. v. M..	Solaneæ	Herbert River, Queensland.	This is the masticatory of the aborigines of Central Australia, corresponding in this respect to the Coca of Peru, the betel nut of the east, the Taezi Kaat (*Catha edulis*) of Arabia, &c. The drug is in the form of leaves, more or less powdered, mixed with finely broken twigs, forming altogether a brown herb. So fine is the powder and so irritating, that the most careful examination of a specimen is attended with violent sneezing. The plant is, as far as is known, extremely local in distribution, and the blacks prize it so highly that they travel enormous distances to procure it; besides, it is a most valuable commodity for tribal barter. They gather the tops and leaves during the month of August when the plant is in blossom, and hang them up to dry. They are sometimes sweated beneath a layer of fine sand, dried, roughly powdered, and then packed in netted bags, skins, &c., for transport. To prepare the leaves for use, they are damped, mixed with potash prepared from the ashes of suitable plants, and rolled up in the shape of a cigar. This is chewed, and the saliva swallowed. In small quantities it has a powerful stimulating effect, assuaging hunger, and enabling long journeys to be made without fatigue and with but little food. It is also used by the aborigines to excite them before fighting. It is used to poison emus.
16	Duboisia myoporoides..... (Duboisia leaves. Corkwood or Elm leaves.	R. Br. ..	Solaneæ	Blue Mountains. Found in New South Wales and Queensland.	The leaves of this plant have been used (on the recommendation of Dr. Bancroft, of Brisbane) to form an extract useful in ophthalmic surgery. They owe their active properties to the presence in them of an alkaloid, *duboisine*, which has been shown by Ladenburg to be identical with *hyoscyamine*. Dr. Dujardin-Beaumetz substitutes it for atropine in ex-ophthalmic goitre. It has an intoxicating property. The aborigines make holes in the trunk, and put some fluid in them, which when drunk on the following morning, produces stupor. Branches of this shrub are thrown into pools for the purpose of intoxicating the eels, and bringing them to the surface. "I have known an instance in which giddiness and nausea have arisen from remaining in a close room where branches of it have been placed." (Correspondent of Dr. Woolls.) The smell is faint and sickly, but with nothing like the intensity of *D. Hopwoodii*. The extract has been given with great benefit in cases of the night sweats of phthisis, without producing any bad effects on the appetite. It produced entire relief from pain in a severe case of vesical tenesmus from inflammation of the urethra and neck of the bladder.
17	Eriostemon Coxii	F. v. M..	Rutaceæ	Sugar-loaf Mountain, near Braidwood. Collected 3rd November, 1886.	This bark, the produce of a tree 6 inches in diameter, is white, with the outside of a tubereulated and darker appearance, and usually overgrown with moss. It has a very peculiar taste, being bitter, and leaving a sensation of warmth and aroma on the tongue. It doubtless possesses medicinal properties.
18	Eriostemon Coxii.....	F. v. M..	Rutaceæ	Sugar-loaf Mountain, near Braidwood. Collected 5th Nov., 1886.	The leaves, which will doubtless be found to possess the same properties as the bark, though in an inferior degree.
19	Erythræa australis ..... (Native Centaury.)	R. Br. ..	Gentianeæ	All over the Colony....	This plant is used as a tonic medicine, and as a domestic remedy, is increasing in popularity. The whole plant is used, and is pleasantly bitter. It is a substitute for Gentian. It is common, growing on grass lands.

Department of Public Instruction, Sydney.—N.S.W. reputed Medicinal Vegetable Substances—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
20	Euphorbia Drummondii.... ("Caustic Creeper," "Milk Plant," "Poison-weed."	Bois	Euphorbiaceæ .	Cobham Lake. Collected 19th September, 1887. Found in all the Colonies.	This is the plant from which was obtained the alleged alkaloid "Drumine," which created some little fuss a few years ago. In Western New South Wales the aborigines use an infusion or decoction of the plant in genital diseases, and use rather strong doses, but it is stated that an overdose simply causes headache. The late Mr. P. A. O'Shanesy stated that this plant was an infallible remedy in dysentery and low fever.
21	Euphorbia erythrantha .... ("Poison-weed.")	F. v. M.	Euphorbiaceæ .	Wonnaminta, *via* Wilcannia. Collected 12th September, 1887. Found in New South Wales, Queensland, South Australia, and North Australia.	The plant. The properties are undoubtedly the same as those of the preceding species.
22	Euphorbia pilulifera ..... (Asthma Herb.)	Linn.....	Euphorbiaceæ .	Queensland.....	This plant obtained some reputation in Australia as a remedy for certan pulmonary complaints, especially asthma. It was first introduced to notice about 1880, and since that time has been largely used for diseases of the respiratory organs. It is used as an infusion, or by inhaling the smoke when burned. It is a common tropical weed, and any demand for it could be easily supplied.
23	Mentha gracilis ..... (Native Pennyroyal.)	R. Br. ..	Labiatæ	Quiedong, near Bombala. Collected 12th April, 1887. Found in all the Colonies, except Western Australia and Queensland.	This plant and *M. saturoides* are used (southern districts of New South Wales, at least) as a substitute for Pennyroyal. Either infusion or decoction is used. It should, however, be borne in mind that these two species are much more acrid than the European species of *Mentha* commonly used for a similar purpose, and that therefore great care should be exercised in their use. Both herbs are also strewn about floors and beds for the purpose of keeping away insects, and they are very efficient in driving away fleas and bugs.
24	Mentha saturejoides ..... (Pennyroyal.)	R. Br. ..	Labiatæ	Quiedong, near Bombala. Collected 7th April, 1887.	See *M. gracilis.*
25	Piper Novæ Hollandiæ .... (Native Pepper-stick.)	Miq.	Piperaceæ	Northern N.S.W.	Used in medicine as a stimulant to the mucus membrane.
26	Piper methysticum ..... ("Kava Kava.")	Forst. ..	Piperaceæ	Fiji	This plant is indigenous in the South Sea Islands, and does not extend to the mainland of Australia. These roots form the well-known masticatory of the natives of the South Sea Islands. A common method of dealing with it is by chewing it, and putting the chewed substance and the saliva (the joint production of several men, as a rule) into a wooden bowl, where it is allowed to ferment, and forms a much-valued beverage. It is used to some extent in European practice in diseases of the urinary organs.
27	Ochrosia Moorei	F. v. M.	Apocyneæ	Teven Creek, Ballina, N.S.W.	This wood contains a powerful tonic bitter, allied to *Alstonia.* Chips of it would prove a useful substitute for Quassia.
28	Zieria granulata	C. Moore	Rutaceæ	Dromedary Mountain, Tilba Tilba.	A rutaceous bark, supposed to possess medicinal properties, owing to the presence of a strong-smelling essential oil.

1207. DEPARTMENT OF PUBLIC INSTRUCTION, Sydney. (Technical Education Branch, Technological Museum; Curator, J. H. Maiden, F.L.S., &c.)

Gums, Resins, and Kinos from plants indigenous in New South Wales.

For the convenience of the non-scientific it may perhaps be well to give the following fairly comprehensive definitions :—(*a.*) A *gum* is soluble in water or swells up in it, but is insoluble in spirit. (*b.*) A *resin* is the reverse of this, for it is insoluble in water and soluble in spirit. Bodies intermediate in properties are called *gum-resins*. (*c.*) A *kino* is the astringent inspissated juice of a tree.

As far as my observations go, the gums obtained from the Western Districts (comparable in its aridity to the Soudan and other noted gum-producing countries) are completely soluble in water, and make good mucilages, while those obtained east of the Dividing Range,—*i.e.*, in well watered districts in which vegetation is comparatively luxuriant—are more or less insoluble, portions, at least, merely swelling up in water like cherry gum. In other words, the Eastern wattle gums contain metarabin, while the Western ones do not, to any great extent.

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
					A.—Gums.
1	Acacia binervata ..... (Black Wattle, Hickory.)	D C.	Leguminosæ ..	Cambewarra. Collected 23rd August, 1886.	Yields an inferior gum arabic. It is rather dark, though if, properly sorted, some of it is of a very light clear colour. It has a dull fracture. As a rule, it does not exude from the trees in large quantities, and therefore usually comes marked with adherent bark, through having been chipped off the tree to waste no gum. It dissolves but fairly well in water, leaving rather a considerable quantity of insoluble, flocculent matter. Average Analysis :—Arabin ..... 76·57 per cent. Metarabin ..... 4·24 ,, Moisture ..... 16·01 ,, Ash ..... ·771 ,, Impurities ..... 1·620 ,, 99·211 ,,
2	Acacia dealbata..... (Silver Wattle.)	Link	Leguminosæ ..	Quiedong, near Bombala. Collected 1st January 1887.	The gum from this tree is exceedingly viscous, and is quite as useful as some kinds of gum arabic, taking fairly high rank amongst wattle gums. It is of a light sherry colour, and can easily be detached from the tree in large masses. It has a clean, but slightly dull fracture. A good average sample was soluble in water to the extent of 98 per cent. Average Analysis :—Arabin ..... 76·37 per cent. Metarabin ..... 4·163 ,, Moisture ..... 16·30 ,, Ash ..... 1·12 ,, Impurities ..... 1·00 ,, 98·953 ,,

Department of Public Instruction, Sydney.—Gums, Resins, and Kinos, from N.S.W. indigenous plants—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
					A.—Gums—*continued.*
3	Acacia decurrens ..... (Green Wattle, also called Black or Feathery Wattle, and rarely Silver Wattle.)	Willd. ..	Leguminosæ ..	Cambewarra. Collected 16th August, 1886.	This tree yields gum copiously during the summer season. It is one of the darkest of wattle gums, but it can be gathered without much of the bark adhering. It is useless as a substitute for gum arabic, but it swells up enormously in water, and therefore belongs to the cherry gum group. Some tanners mix it with glue in sizing. AVERAGE ANALYSIS:—Arabin ..... 41·07 per cent. Metarabin ..... 32·96 ,, Moisture ..... 23·26 ,, Ash ..... 2·38 ,, 99·67 ,,
4	Acacia penninervis..... (Mountain Hickory.)	Sieb.	Leguminosæ ..	Quiedong.....	This is only partially soluble in water, being in this respect little superior to the gum *of Acacia decurrens.* AVERAGE ANALYSIS:—Arabin..... 70·30 per cent. Metarabin ..... 11·42 ,, Moisture ..... 16·67 ,, Ash ..... 0·66 ,, 99·05 ,,
5	Cedrela australis ..... (Red Cedar.)	F. v. M.	Meliaceæ.....	Cambewarra. Collected June, 1888.	A very clear, pale-looking, promising gum. It forms a fair mucilage, and on account of its freedom from colour would be a valuable commodity if obtainable in quantity. AVERAGE ANALYSIS:—Arabin ..... 68·30 per cent. Water ..... 19·54 ,, Metarabin ..... 6·30 ,, Ash ..... 5·16 ,, 99·30
6	Flindersia maculosa..... (Spotted or Leopard-tree.)	F. v. M.	Meliaceæ	Western New South Wales.	The gum from this tree forms good adhesive mucilage. It reminds one strongly of East India gum arabic of good quality. During the summer months large masses of a clear amber colour exude from the stem and branches. It has a very pleasant taste, and is eaten by the aboriginals. It is a bushman's common remedy for diarrhœa. It dissolves readily and completely in cold water. It hardly appears to affect the transparency and absence of colour of pure water. In this respect it may be ranked very closely to picked Turkey gum-arabic. AVERAGE ANALYSIS:—Arabin ..... 80·2 per cent. Water ..... 16·4 ,, Ash ..... 2·8 ,, 99·4 ,,

Department of Public Instruction, Sydney.—Gums, Resins, and Kinos, from N.S.W. indigenous plants—*continued.*

No. of Specimen.	Botanical Name.	Author	Natural Order.	Locality of Specimen.	Economic Applications.
			B.—Resins.		
7	Frenela Endlicheri ..... Syn *Callitris calcarata* ("Native Sandarac," from Murray or Scrub pine,)	Parlat .. R. Br.	Coniferæ	Quiedong, near Bombala. Collected 3rd March, 1887.	The resin from this tree forms an efficient substitute for sandarac. Powdered, it makes very good "pounce." When taken fresh it is of a yellow colour. and strikingly similar to sandarac as it is usually found in commerce; but if left long on the trees it becomes paler in colour, more opaque, and of a mealy appearance. It will be observed that this sample is mealy outside, but this is only superficial. It is obtainable in large quantities.
7a	Myoporum platycarpum.... (Sandalwood; sometimes called Dogwood or Sugar-tree.)	R. Br. ..	Myoporineæ ..	Western New South Wales.	The black resin from this tree is used by the aborigines as a substitute for pitch and wax, *e.g.*, they cement the stone heads of their tomahawks to the fibre which joins them to the stick forming the handle. It forms a natural sealing-wax, and for this purpose is used by settlers in the interior. It would certainly serve as a *constituent* of black sealing-wax; alone, it is too soft for long keeping.
	Xanthorrhœa arborea ..... (Grass-tree Gum; erroneously and popularly so called, for it is a resin.)	R. Br. ..	Liliaceæ	Monga. Collected 4th October, 1886.	This resin is presented in large concentric masses, consisting of the remains of leaves (*in situ*) cemented together with the resin—the resin usually being so abundantly in excess that large pieces of the pure substance are readily obtained. The inner portion of these masses is a true mould of the caudex. Where the resin weathers, it is seen to be of a liver colour, but it readily fractures and shows a bright fracture. The colour is very pleasing, but I can only describe it as a rich purplish-brown, inclining to crimson. It is easily reducible to a powder, of a dull, burnt, sienna-brown colour.
9	Xanthorrhœa hastilis ..... (Grass-tree.)	R. Br. ..	Liliaceæ	Shoalhaven, New South Wales.	The resin from various species of this genus has an agreeable smell, and is soluble in ether, alcohol, and caustic potash. Its solution in the latter, when treated with hydrochloric acid, deposits benzoic and cinnamic acids. Nitric acid readily converts it into picric acid. By distillation, this resin yields a light neutral oil, which appears to be a mixture of benzol and cinnamol and a heavy acid oil, consisting of hydrate of phenyl, mixed with small quantities of benzoic and cinnamic acids. This resin yields by oxidation with smelting potash, so large a *paraoxybenzoic acid* (36 grms. from 9 ounces), that it may be conveniently used as a source of that acid. The mother-liquor of the etherial extract contains also resorcin and pyrocatechin, as well as the double compound of protocatechnic and paraoxy benzoic acids, C_{14}, H_{12}, O_7, and HO_2, first obtained from benzoin, (Watt's Dict. VI. 1st Suppt. 2.) Its ordinary appearance in the bush is of a dirty crimson colour, It readily fractures, and it is then seen that this crimson colour is only superficial, and that the resin is yellow or orange-coloured, strikingly like (in appearance) the artificial Burgundy Pitch of the shops. The aborigines use this resin for fastening on the heads of spears, &c. It could probably be used in candle-making, for it burns by itself with a bright flame, and mixes with fat in all proportions. As usually found in commerce, it is in very small pieces (almost powder), or else these small pieces are aggregated, forming a friable mass. In this state it is more or less impure, being mixed with soil and fragments of the yellowish basis of these leaves. After a bush fire has passed over grass-trees the heat causes the resin to run into more or less spherical masses (I have some in my possession as spherical as if turned in a lathe), and these masses can be picked out either from the interior of the charred stump, or from the ground at the place where a grass-tree once grew. Such masses present the resin in a very pure form; but collecting in this way would entail too much labour to be profitable commercially—the ordinary method being to break up the grass-tree stumps, and subject the fragments to rough winnowing and washing. The resin has a very small demand, the ordinary retail price being from 4d. to 6d. a lb.., and the wholesale price of course much less. It is chiefly used as a colouring for varnishes, and is used by European and Chinese workmen (chiefly the latter) to stain wood in imitation of cedar. It has been observed above that abundance of picric acid—a very powerful yellow dye—can be prepared from it; but this substance can be so cheaply made from coal-tar that the resin is not now thought of for the purpose. The result is that many storekeepers in the Colonies who eagerly bought up grass-tree gum, with the view to exporting it to England, have for years past had stocks on hand, and quantities now sold have often been gathered (say) fifteen or twenty years.

Department of Public Instruction, Sydney.—Gums, Resins, and Kinos, from N.S.W. indigenous plants—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
			B.—Resins—*continued.*		
10	Xanthorrhœa Tateana ..... (Grass-tree.)	F. v. M.	Liliaceæ	Kangaroo Island, South Australia.	This resin is placed here for comparison with that from the other species. It is exceedingly handsome, and is obtainable in large pieces, free from woody matter. It is more or less vesicular, but breaks up and powders with the utmost facility. The fresh fracture is very bright, and of a rich pure ruby colour. The powder is dead, and of the colour of excellent chrome-orange. The colour of the lumps becomes dulled by their friction against each other, and so becomes from a liver colour to chrome-orange. Neither in lump nor powder has the resin any odour at ordinary temperatures.
			C.—Kinos.		
11	Angophora lanceolata..... (Apple-tree Kino.)	Cav.	Myrtaceæ	The Valley, near Springwood. Collected 3rd April, 1888.	When freshly gathered, it has, like many other angophora kinos, a smell like sour wine. When quite freshly exuded, it is tenacious, but it speedily becomes quite brittle. Colour, brownish red; powder, dark buff colour. This kino in composition much resembles those kinos obtained from the "turbid group" of Eucalyptus kinos, but the odour is characteristic. It contains a large amount of catechin.
12	Eucalyptus amygdalina, var. (Peppermint Kino.)	Labill. ..	Myrtaceæ	Bombala, New South Wales. Collected 14th April, 1889.	This kino is characteristic of that group of Eucalyptus kinos named by the Curator the "Ruby group." The whole of the exudations from the stringybarks, and a few of the smooth bark Eucalypts, belong to this group. The kinos are entirely soluble in water and alcohol, being almost entirely composed of tannic acid and water. They make excellent tinctures, superior in some respects to those obtained from the official kinos of the Pharmacopœia. Many of these kinos could be obtained in quantity, if a demand for them should arise. For information respecting the composition of a large number of kinos from Australian Eucalypts, see papers by the Curator in *Proc. Linn. Soc., N.S.W.*, for 1890 and 1891, where the whole matter of the value of these kinos is dealt with. The astringent value of this kino by Löwenthal's method is 62·58 per cent.

Department of Public Instruction, Sydney.—Gums, Resins, and Kinos, from N.S.W. indigenous plants—*continued.*

C.—Kinos—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
13	Eucalyptus corymbosa .... (Bloodwood Kino.)	Smith ..	Myrtaceæ	The Valley, near Springwood. Collected 3rd April, 1888.	Kino (external exudation). This tree yields some of the "Botany Bay Kino" of commerce, which exudes spontaneously from the stem and bark. When recent, it is bright, red, brittle, and easily reduced to a dirty pinkish powder. The extract from this kino is brittle and easily powdered, and is hence very suitable for powders and pills. It is given in doses of from 2 to 10 grains. (Bancroft.) This rich-coloured kino is so exceedingly brittle that the vessel containing it readily becomes coated with a fine powder. When fresh, I believe it to be the most brilliant in colour of all kinos. In composition it belongs to the group of Eucalyptus kinos named by the Curator the "Turbid group," as they form turbid solutions in water and alcohol, owing to the catechin they contain; many of this group are fit for tincture making, and some are at present regular articles of commerce; eventually this group, which is the largest, will need subdivision, some containing much more astringent qualities than others. For information concerning a large number of the kinos of this group, see paper by the Curator, *Proc. Linn. Soc., N.S.W.*, 1891, page 389. Average analysis:—Catechin and tannic acid ..... = 82·4 per cent. Moisture ..... = 16·1 ,, Ash ..... = ·4 ,, Impurities ..... = 1·1 ,, 100·0 Astringent value by Löwenthal's method = 58·888 per cent.
14	Eucalyptus corymbosa .... (Bloodwood Kino.)	Smith ..	Myrtaceæ	Cambewarra. Collected 28th August, 1886.	Kino taken from the concentric circles of the tree. The kino is obtainable in very large pieces, and these samples are in irregular pieces as large as a fist. Before the lumps have been bruised they have the appearance of a very pulverulent, purplish-red Hæmatite (such, for instance, as is common in the Elba mines). To say that it resembles a low grade Dragon's blood also gives a good idea of its appearance. It readily makes an impalpable powder of a Venetian red colour, soiling everything with which it comes into contact. The soluble portion (in water) readily becomes turbid if the water holding it in solution is lowered in temperature.
15	Eucalyptus goniocalyx .... (Mountain Gum Kino.)	F. v. M. .	Myrtaceæ	Delegate, near Bombala, N.S.W.	This kino belongs to the "Turbid group." Average analysis:—Catechin and tannic acid ..... = 76·02 per cent. Moisture ..... = 22·10 ,, Ash ..... = ·86 ,, Impurities ..... = 1·02 ,, 100·00 Astringent value by Löwenthal's method = 35·555 per cent.

Department of Public Instruction, Sydney.—Gums, Resins, and Kinos, from N.S.W. indigenous plants—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
					C.—Kinos—*continued.*
16	Eucalyptus Gunnii, var..... (Flooded or Bastard Gum Kino.)	Hook, fil.	Myrtaceæ	Delegate, near Bombala. Collected 8th May, 1887.	This kino belongs to the "Turbid group." Average analysis:—Catechin and tannic acid..... = 79·22 per cent. Moisture ..... = 19·60 ,, Ligneous matter..... = ·78 ,, Ash..... = ·40 ,, 100·00 Astringent value, Löwenthal = 34·032 per cent.
17	Eucalyptus hæmastoma.... (Rough or Small-leaved Stringybark Kino.)	Smith ..	Myrtaceæ	Colombo, near Candelo. Collected 3rd December, 1886.	The specific gravity of the kino from this tree is about 1·378, and the percentage of tannin, 64·51. (Staiger.) It is soluble in water, and when dried forms shining scales. They may be placed on wounds, cuts, or ulcers, with satisfactory results. (Bancroft.) This kino belongs to the "Ruby group," and is very astringent. Astringent value by Löwenthal's method = 57·35 per cent. Although only 88 per cent. of this specimen was soluble in water.
18	Eucalyptus hemipholia .... (Box Kino.)	F. v. M. .	Myrtaceæ	Dromedary Mountain, Tilba Tilba, N.S.W.	This is a characteristic kino of the "Turbid group," containing a large amount of catechin. The percentage of tannic acid is very low for a kino; it is very friable, being easily powdered between the fingers. Average analysis:—Catechin and tannic acid..... = 84·43 per cent. Moisture ..... = 9·94 ,, Ash ..... = 1·63 ,, Impurities ..... = 4·00 ,, 100·00 Astringent value by Löwenthal's method = 15·2 per cent.
19	Eucalyptus macrorrhyncha (Stringybark Kino.)	F. v. M. .	Myrtaceæ	Amboyne, near Delegate. Collected 15th and 16th May, 1887.	Of a rich ruby colour, readily friable, and for this reason usually appears of a dull colour, unless it has been very little handled. It reminds one somewhat of some specimens of seed-lac. It belongs to the "Ruby group." Average analysis:—Tannic acid (Löwenthal) = 64·4 per cent. This sample soluble in water to the extent of 93·78 per cent.
20	Eucalyptus maculata ..... (Spotted Gum Kino.)	Hook ..	Myrtaceæ	Big Scrub, Richmond River, N.S.W.	This kino belongs to the "Turbid group," and is one of the most friable of all kinos, perhaps ranking only second to *E. corymbosa* in this respect. This friability is assisted by the porous nature of the kino, some of it being nearly as porous as pumice, and distinctly vesicular to the eye. It is of a yellowish-brown colour, and dull in appearance, except at fresh fractures. Average analysis:—Catechin and tannic acid..... = 84·25 per cent. Moisture ..... = 12·90 ,, Ash ..... = ·90 ,, Impurities ..... = 1·95 ,, 100·00 ,, Astringent value (Löwenthal) = 46·222 per cent."

Department of Public Instruction, Sydney.—Gums, Resins, and Kinos, from N.S.W. indigenous plants—*continued.*

No of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
					C.—Kinos—*continued.*
21	Eucalyptus odorata, var. .. (White Box Kino.)	Behre. ..	Myrtaceæ	Wongrabell, near Eden. Collected 5th February, 1887.	A dull-looking kino, very pulverulent (for a kino), forming a dark, dirty-brown powder. It is, apparently, not obtainable in large pieces. It belongs to the "Turbid group" of kinos. Average analysis :—Catechin and tannic acid..... = 78·24 per cent. Moisture ..... = 19·30 ,, Ash ..... = ·80 ,, Impurities ..... = 1·66 ,, 100·00 ,, Astringent value (Löwenthal) = 23·873 per cent.
22	Eucalyptus paniculata .... (White or Pale Ironbark Kino.)	Smith ..	Myrtaceæ	Mogo, N.S.W. Collected 15th August, 1890.	The kino from this tree is often found in great quantities. It belongs to the "Gummy group," and is, therefore, useless for tincture-making. Tannic acid (Löwenthal), 34·74; gum = 34·9; ash = ·2; insoluble = 2·9.
23	Eucalyptus pauciflora..... (Cabbage Gum Kino.)	Sieb.	Myrtaceæ	Monga near Braidwood, N.S.W.	This kino belongs to the "Ruby group." Tannic acid, by Löwenthal's method, = 55·37 per cent.; soluble in water, 91·8 per cent.
24	Eucalyptus piperita, var. .. (Almond-leaved Stringybark Kino.)	Smith ..	Myrtaceæ	Brooman, Clyde River. Collected 14th September, 1886.	This is another kino of the *E. amygdalina* type, and belongs to the "Ruby group." It can be procured in fairly large quantities It is a most useful kino for medicinal purposes. Tannic acid (Löwenthal) = 59·78 per cent. This specimen was soluble in water to the extent of 91·8 per cent.
25	Eucalyptus punctata ..... (Grey Gum Kino.)	DC.	Myrtaceæ	The Valley, near Springwood. Collected 3rd April, 1888.	This kino, especially when in large masses, somewhat resembles Hepatic Aloes in appearance, but it is far more brittle than that substance, crumbling without much difficulty by pressure of the fingers, Its colour may be described as a very dark brown with a slight orange tint. When freshly collected, it has a vinous odour. It belongs to the "Turbid group." Average analysis :—Catechin and tannic acid..... = 81·3 per cent. Moisture ..... = 17·6 ,, Ash..... = ·2 ,, Impurities ..... = ·9 ,, 100·0 ,, Astringent value by Löwenthal's method = 31·99 per cent.
26	Eucalyptus rostrata..... (Red Gum Kino.)	Sch.	Myrtaceæ	Murray River, N.S.W.	This kino belongs to the "Turbid group." It is a very useful one, and obtainable in large quantities. It is a regular article of commerce in the colonies, and may be used for medicinal purposes. It is not so astringent as the kinos belonging to the "Ruby group," but the tincture made from it keeps well. Average analysis :—Catechin and tannic acid..... = 84·3 per cent. Moisture ..... = 15·2 ,, Ash ..... = ·2 ,, Impurities ..... = ·3 ,, 100·0 Astringent value by Löwenthal's method = 46·22 per cent.

Department of Public Instruction, Sydney.—Gums, Resins, and Kinos, from N.S.W. indigenous plants—*continued.*

C.—Kinos—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
27	Eucalyptus siderophloia.... (Broad-leaved or Red Ironbark Kino.)	Benth. ..	Myrtaceæ	Cambewarra. Collected 12th August, 1886.	From this species the kino exudes in great plenty, and is at first in long tears of a pale yellow colour, which darkens into bright red, and eventually into black, becoming then more insoluble. It belongs to the "Gummy group," and is unsuitable for medicinal purposes. It is readily soluble in either hot or cold water, but almost totally insoluble in alcohol. Tannic acid (Löwenthal) = 36·07 : gum, 33·7 ; ash, ·1 per cent.
28	Eucalyptus sideroxylon .... (Red-flowering Ironbark Kino, Common Ironbark or Black Ironbark Kino.)	A. Cunn.	Myrtaceæ	Ulladulla, N.S.W.....	This tree is comparatively rich in kino, as much as 22 per cent. having been obtained from the fresh bark by Baron Mueller. This kino is easily soluble in water; is of slightly acid reaction. Frequently the bark of this tree is honeycombed, the cavities being completely filled with kino. The blackish kino, set in rows in the reddish-brown bark, has a beaded, granular appearance. When old this kino becomes horny and more or less insoluble. This kino belongs to that group named by the Curator the "Gummy Group," because of the large quantity of gum they contain, which renders them almost insoluble in alcohol. They are therefore unfit for tincture making, and if mixed with the kinos of the other groups would spoil the whole for that purpose. The whole of the kinos from the Ironbarks belong to this group. For information respecting kinos from this group see Proc. Linn. Soc., New South Wales, 1889, p. 1,277. Tannic acid (Löwenthal) = 52·51 ; gum = 34·2 ; ash, ·2.
29	Eucalyptus stellulata ..... (Sally or Black Gum Kino.)	Sieb.	Myrtaceæ	Bombala. Collected 17th February, 1887.	This kino fractures readily, forming angular, bright garnet grains, but it is too tenacious to powder well. It belongs to the "Ruby group." Tannic acid (Löwenthal) = 61·97 per cent. ; soluble in water = 92·42 per cent.
30	Eucalyptus Stuartiana .... (Apple-tree Kino.)	F. v. M.	Myrtaceæ	Quiedong, near Bombala. Collected 24th and 25th March, 1887.	A pulverulent kino. It is considered by some people in Southern New South Wales to form an excellent dentifrice, and is by them preferred to all other kinos for that purpose. It belongs to the "Turbid group." Average analysis :—Catechin and tannic acid ..... = 83·0 per cent. Moisture ..... = 15·3 ,, Ash ..... = ·7 ,, Impurities ..... = 1·0 ,, 100·0 Astringent value by Löwenthal's method = 26·412 per cent.
31	Eucalyptus viminalis var. .. (Manna Gum Kino.)	Labill. ..	Myrtaceæ	Quiedong, near Bombala. Collected 27th April, 1887.	The specimen exhibited is fresh, and consequently clear. It is of light colour, and in small pieces only. It belongs to the "Turbid group," and much resembles in composition and behaviour the kino from *E. Stuartiana*. Average analysis :—Catechin and tannic acid..... = 82·9 per cent. Moisture ..... = 15·8 ,, Ash ..... = ·5 ,, Impurities ..... = ·8 ,, 100·0 Astringent value by Löwenthal's method = 31·99 per cent.

1208. DEPARTMENT OF PUBLIC INSTRUCTION, Sydney, (Technical Education Branch, Technological Museum: Curator, J. H. Maiden, F.L.S., &c.)

Collection of Tan Barks (almost exclusively) in large bundles.

They are commercial samples, weighing about 50 lb. each on the average.

They are from different localities in New South Wales, and form a reference collection of the tan barks available in in practically unlimited quantities at the present time.

The Sydney prices for chopped bark, in sacks, ready for shipment vary from £3 to £9 10s. per ton.

The analyses given are those obtained by Löwenthal's method, and are calculated on the anhydrous bark.

For further information see "Wattles and Wattle Barks," Second Edition, by the Curator.

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
1	Acacia decurrens, var. Leichhardtii. (Wattle Bark.)	Willd. ..	Leguminosæ ..	Kangaroo Creek, South Grafton, New South Wales.	Average analysis, 32 per cent. tannic acid.
2	Acacia decurrens var. Leichhardtii. (Silver Wattle Bark.)	Willd. ..	Leguminosæ ..	Bateman's Bay, New South Wales.	Average analysis, 26 per cent. tannic acid.
3	Acacia decurrens var. mollis. (Black Wattle Bark.)	Willd. ..	Leguminosæ ..	Bateman's Bay, New South Wales.	Average analysis, 30 per cent. tannic acid. The same variety as the "Green Wattle" of Araluen, New South Wales.
4	Acacia decurrens var. mollis. (Green Wattle Bark)	Willd. ..	Leguminosæ ..	Major's Creek, near Araluen, New South Wales.	Average analysis, 31 per cent. tannic acid. This is the most important wattle bark of this Colony. At the same localities it is also known as Black Wattle, the Green Wattle being the variety pauciglandulosa.
5	Acacia decurrens, var. mollis. (Green Wattle Bark.)	Willd. ..	Leguminosæ ..	Araluen, New South Wales.	Average analysis 30 per cent. tannic acid.
6	Acacia decurrens var. pauciglandulosa. (Green Wattle Bark.)	Willd. ..	Leguminosæ ..	Bateman's Bay, New South Wales.	Average analysis, 24 per cent. tannic acid.
7	Acacia decurrens, var. .... (Black Wattle Bark.)	Willd. ..	Leguminosæ ..	20 miles from Armidale, New South Wales, the only kind that grows in any abundance about the Armidale District.	Average analysis, 27 per cent. tannic acid.
8	Acacia decurrens, var. .... (Black Wattle Bark.)	Willd. ..	Leguminosæ ..	Near Tenterfield, New South Wales.	Average analysis, 19 per cent. tannic acid.

Department of Public Instruction, Sydney.—Collection of Tan Barks (almost exclusively)—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
9	Acacia decurrens, var. .... (Black Wattle Bark.)	Willd. ..	Leguminosæ ..	Hillgrove, 20 miles East of Armidale, New South Wales.	Average analysis, 24 per cent. tannic acid.
10	Acacia decurrens, var. .... (Black Wattle Bark.)	Willd. ..	Leguminosæ ..	Black Mountain, 20 miles North of Armidale, New South Wales.	Average analysis, 24 per cent. tannic acid.
11	Acacia decurrens, var. .... (Black Wattle Bark.)	Willd. ..	Leguminosæ ..	Jervis Bay, New South Wales,	Average analysis, 29 per cent. tannic acid.
12	Acacia decurrens, var. .... (Black Wattle Bark.)	Willd. ..	Leguminosæ ..	Casteldoyle, 10 miles East of Armidale, New South Wales.	Average analysis, 20 per cent. tannic acid.
13	Acacia decurrens, var. .... (Green Wattle Bark.)	Willd. ..	Leguminosæ ..	Jervis Bay, New South Wales.	Average analysis, 27 per cent. tannic acid.
14	Acacia decurrens, var. .... (Green Wattle Bark.)	Willd. ..	Leguminosæ ..	Kangaroo Valley, near Cambewarra, New South Wales.	Average analysis, 30 per cent. tannic acid.
15	Acacia decurrens, var. .... (Green Wattle Bark.)	Willd. ..	Leguminosæ ..	Sand-flat. 107 miles North of Armidale, New South Wales.	Average analysis, 23 per cent. tannic acid.
16	Acacia decurrens, var. .... (Green Wattle Bark.)	Willd. ..	Leguminosæ ..	Jervis Bay, New South Wales.	Average analysis, 29 per cent. tannic acid.
17	Acacia decurrens, var. .... (Green Wattle Bark.)	Willd. ..	Leguminosæ ..	Near Tenterfield, New South Wales.	Average analysis, 27 per cent. tannic acid.
18	Acacia decurrens, var. .... (Green Wattle Bark.)	Willd. ..	Leguminosæ ..	Near Tenterfield, New South Wales.	Average analysis, 18 to 20 per cent. tannic acid.
19	Acacia decurrens, var. .... (Green Wattle Bark.)	Willd. ..	Leguminosæ ..	Near Tenterfield, New South Wales.	Average analysis, 29 per cent. tannic acid.
20	Acacia decurrens, var. .... (Wattle Bark.)	Willd. ..	Leguminosæ ..	Nerriga, New South Wales.	Average analysis, 27 per cent. tannic acid.

Department of Public Instruction, Sydney.—Collection of Tan Barks (almost exclusively)—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
21	Acacia longifolia ..... (Sally Bark.)	Willd. ..	Leguminosæ ..	Kangaroo Creek, South Grafton, New South Wales.	Average analysis, 15 per cent. tannic acid.
22	Acacia Maideni ..... (Hickory Bark)	F. v. M..	Leguminosæ ..	Kangaroo Creek, South Grafton, New South Wales.	Average analysis, 11 per cent. tannic acid.
23	Acacia penninervis ..... (Golden Wattle Bark.)	Sieb.....	Leguminosæ ..	Sandy Flat, 107 miles north of Armidale, New South Wales.	Average analysis, 20 per cent. tannic acid.
24	Acacia penninervis ..... (Golden Wattle or Broad-leaved Hickory Bark.)	Sieb.....	Leguminosæ ..	Near Tenterfield, New South Wales.	Average analysis, 28 to 30 per cent. tannic acid.
25	Acacia penninervis, var..... (Hickory Bark.)	Sieb.....	Leguminosæ ..	Nerriga, New South Wales.	Average analysis, 31 per cent. tannic acid. This is a most important bark, the trees growing to a great size. The bark does not appear to attain its maximum quantity of tannic acid until the tree arrives at maturity, so by allowing the trees to become large both quantity and quality are obtained.
26	Acacia penninervis ..... (Hickory Bark, Narrow-leaved var.)	Sieb.....	Leguminosæ ..	Bateman's Bay, New South Wales.	Average analysis, 28 per cent. tannic acid. The large trees of this variety produce abundance of bark of an excellent quality.
27	Acacia prominens, var. .... (Weeping Willow.)	A. Cunn.	Leguminosæ ..	Kangaroo Creek, South Grafton, New South Wales.	Average analysis, 17 per cent. tannic acid.
28	Acacia, sp. ..... (Hickory Bark.)	.....	Leguminosæ ..	About 20 miles N.E. Armidale, New South Wales	Average analysis, 18 to 20 per cent. tannic acid.
29	Acacia, sp. ..... (Hickory Bark.)	.....	Leguminosæ ..	Sandy Flat, North Armidale, New South Wales.	Average analysis, 22 per cent. tannic acid.
30	Eugenia Smithii ..... (Lilly Pilly Bark.)	Poir	Myrtaceæ	Cambewarra, New South Wales.	Average analysis, 26 per cent. tannic acid. This bark has lately been used for tanning, with excellent results. It is, perhaps, the most important tan-bark next to wattle-bark in the Colony. It is on account of its prospective importance that it is placed in this collection.

1209. DEPARTMENT OF PUBLIC INSTRUCTION, Sydney (Technical Education Branch, Technological Museum; Curator, J. H. Maiden, F.L.S., &c.)

Miscellaneous Collection of New South Wales Barks of economic value.

NOTE.—Full particulars of the Curator's analyses of the *Acacia* barks, together with notes on their physical characteristics, commercial value, &c., will be found in the Museum publication, *Wattles and Wattle Bark*, 2nd edition. The analyses were obtained by Löwanthal's method and calculated on the anhydrous bark.

No of Specimen.	Botonical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
1	Acacia aneura ..... (Mulga.)	F. v. M...	Leguminosæ ..	Tarella, Wilcannia, Western New South Wales.	A greyish furrowed bark. Analysed and found to contain 4·78 per cent, tannic acid.
2	Acacia aneura, var. ..... (Narrow-leaved Mulga.)	F. v. M...	Leguminosæ ..	Ivanhoe, near Hay, Western New South Wales.	A blackish, slightly furrowed bark, more compact than the specimens exhibited from the normal species. The Curator found 8·62 per cent. of tannic acid in this bark.
3	Acacia armata ..... (Kangaroo thorn.)	R. Br. ..	Leguminosæ ..	Tomakin, Bateman's Bay, New South Wales.	This is a shrub only and never attains any size. Analysed and found to contain 3 per cent. tannic acid.
4	Acacia colletioides ..... (Wait-a-While, or Prick y Wattle.)	A. Cunn.	Leguminosæ ..	Ivanhoe, near Hay, Western New South Wales.	A dirty-grey, much-fissured bark, resembling, if it were thicker, the bark of some eucalypts. The Curator found 4·4 per cent. of tannic acid in this bark. The Wattle-barks of the coast districts are as a rule compact and rich in tannic acid, while those of the dry interior are the reverse of this in both respects.
5	Acacia Cunninghamii ..... (Black Wattle; Bastard Myall.)	Hook. ..	Leguminosæ ..	Deception Bay, near Brisbane, Queensland.	A fair sample. This bark is not nearly of the same quality as that obtained from *Acacia decurrens* of the southern colonies. An analysis gave 12·32 per cent. tannic acid. This is the only tanning Wattle bark which grows near Brisbane in any great abundance; it is very fibrous.
6	Acacia Cunninghamii ..... (Black Wattle).	Hook. ..	Leguminosæ ..	Deception Bay, near Brisbane, Queensland.	From a very old tree.
7	Acacia dealbata..... (Silver Wattle.)	Link. ..	Leguminosæ ..	Yalwal, 18 miles from Nowra, New South Wales.	See next sample.
8	Acacia dealbata..... (Silver Wattle Bark.)	Link	Leguminosæ ..	Tasmania, Victoria, and New South Wales. Delegate River, New South Wales.	The bark of this tree is much thinner and greatly inferior to the Black Wattle, *A. decurrens, var. mollis.* It is chiefly employed for lighter leather. This tree is distinguished from the Black Wattle by the silvery, or rather ashy, hue of its young foliage. It flowers early in spring, ripening its seeds in about five months; while the Black Wattle blossoms late in spring, or at the beginning of summer, and its seeds do not mature before about fourteen months. (Mueller.) This tree obtains an enormous size in Tasmania, Victoria and Southern New South Wales. In Tasmania trees have been measured 11 feet 2 in. girth, and reaching 100 feet in height. These trees yield an enormous quantity of bark, and this should not be destroyed, as it is an excellent tanning material. Analyses reaching 36 per cent. tannic acid have been made at the Museum. This tree is cultivated in New Zealand, and gives increased per centage of tannic acid under cultivation.

Department of Public Instruction, Sydney.—Miscellaneous collection of N.S.W. Barks—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
9	Acacia decurrens, var. Leichhardtii. (Wattle.)	Willd....	Leguminosæ ..	Yalwal, near Nowra, New South Wales.	This variety of *A. decurrens* grows to a large size in this locality, and trees up to 3 feet in diameter, have been measured, these would give a large quantity of bark, but are only found of this size in a few localities. The present samples are much furrowed and flaky. Analysed and found to contain 25·75 per cent. tannic acid.
10	Acacia decurrens, var. Leichhardtii. (Wattle.)	Willd....	Leguminosæ ..	Yalwal, near Nowra, New South Wales.	Bark taken from a very large tree. Analysed and found to contain 29·25 per cent. tannic acid.
11	Acacia decurrens, var. mollis. (Green or Black Wattle.)	Willd....	Leguminosæ ..	Limeburner's Creek, near Raymond Terrace, New South Wales.	This tree grows rapidly, and is the best wattle bark for tanning purposes indigenous to this Colony. The larger portion of the bark used in the Colony is obtained from this variety of *A. decurrens*. For commercial samples see large bundles. Analysed and found to contain 33·2 per cent. tannic acid. Best samples of this bark contain as much as 36 per cent. tannic acid. As it grows in the poorest soils, every encouragement should be given to its cultivation.
12	Acacia decurrens, var. mollis. (Green Wattle.)	Willd....	Leguminosæ ..	Cultivated at Mercer, New Zealand, from Victorian or New South Wales' seed.	The cultivation of this bark for commercial purposes is being carried on at several places in New Zealand. It appears to do well there, and may eventually become a large industry. Analysed and found to contain 32 per cent. tannic acid.
13	Acacia decurrens, var. pauciglandulosa.	Willd....	Leguminosæ ..	South Grafton, New South Wales.	This is a splendid specimen of wattle bark from the northern part of the Colony, being clean grown, of good thickness, and contains a large percentage of tannic acid. Analysed and found to contain 35·3 per cent. tannic acid.
14	Acacia elata ..... (Pepper-tree Wattle. Often erroneously known as "Cedar" in country districts.)	A. Cunn..	Leguminosæ ..	Springwood, New South Wales.	This is one of the most beautiful of the arborcous acacias, and it frequently attains a large size. It is a good tan-bark, and a great quantity of bark is stripped from large trees. Analysis shows this bark to contain as much as 31 per cent. tannic acid in the best samples.
15	Acacia glaucescens ..... (Boree or Myall.)	Willd....	Leguminosæ ..	Myrtle Creek, Picton, New South Wales.	A rugged fibrous bark, and of inferior quality as a tan-bark.
16	Acacia sp. ..... (Probably A. homalophylla.)	A. Cunn..	Leguminosæ ..	Mount Poole, Milparinka, New South Wales.	A fibrous rugged bark of little value as a tan-bark.
17	Acacia homalophylla ..... (Narrow-leaved Yarran. A Myall.)	A. Cunn..	Leguminosæ ..	Ivanhoe, near Hay, Western New South Wales.	A dirty-grey bark, with a reddish-brown inner bark, very fibrous. Analysed and found to contain 9·06 per cent. tannic acid.
18	Acacia implexa ..... (Wattle.)	Benth...	Leguminosæ ..	New South Wales and Queensland, a coast species. Cultivated at Burwood, N.S.W.	A flaky bark which has a bitter taste owing to the presence of a saponin. Analysed and found to contain 7·82 per cent. tannic acid.
19	Acacia linifolia, var. prominens. (Wattle.)	Willd....	Leguminosæ ..	Krackenback Mountains, Jindabyne, New South Wales.	A smooth bark, but the percentage of tannic acid in the best barks is not high Analysed and found to contain 11 per cent. tannic acid.
20	Acacia longifolia ..... (Golden Wattle.)	Willd....	Leguminosæ ..	Near Ryde, Great Northern Railway, Sydney, N.S.W.	This bark is used for tanning light skins; but as it is weak in tannin it fetches but a low price. It is a smooth, greyish bark, usually yielded by tall shrubs. The Curator found 18·93 per cent. of tannic acid in a specimen of this bark.

Department of Public Instruction, Sydney.—Miscellaneous collection of N.S.W. Barks—*continued.*

No of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
21	Acacia longifolia ..... (Hickory Bark).	Willd. ..	Leguminosæ ..	Tantawanglo Mountain, near Candelo, New South Wales.	A rugged bark, of little value for tanning.
22	Acacia longifolia ..... var. : floribunda. (Sally Bark.)	Willd. ..	Leguminosæ ..	Cambewarra, New South Wales.	This is a useless bark for tanning. Analysis gave 6 per cent. tannic acid.
23	Acacia Maideni ..... (A Hickory.)	F. v. M..	Leguminosæ ..	Near Lismore, New South Wales.	A slightly rugged bark, flaky externally, and inclined to be fibrous. Analysed and found to contain per cent. of tannic acid.
24	Acacia melanoxylon ..... (Blackwood, or Lightwood Bark; called also Black Sally, Silver Wattle, &c.)	R. Br. ..	Leguminosæ ..	Monga, near Braidwood, Southern New South Wales.	The bark of this highly valuable timber has usually gone to waste after the splendid wood has been obtained from the logs. That now exhibited is much whitened on the outside from the presence of lichens. The Curator found 20·63 per cent. of extract and 11·12 per cent. of tannic acid in this bark.
25	Acacia Oswaldi ..... (Miljee.)	F. v. M..	Leguminosæ ..	Ivanhoe, near Hay, Western New South Wales.	Similar in outward appearance to the bark of *A. homalophylla*, only a little darker. The Curator found 9·72 per cent. of tannic acid in this bark.
26	Acacia pendula ..... (Nilya; usually known as "Myall")	A. Cunn.	Leguminosæ ..	Yandarlo, Western New South Wales.	A very fibrous bark, available for rough tying purposes. Bright yellow inside. A typical representative of the dry country Wattle barks. Analysed and found to contain 3·25 per cent. tannic acid.
27	Acacia pendula ..... var. glabrata. (Yarran.)	A. Cunn.	Leguminosæ ..	Ivanhoe, near Hay, Western New South Wales.	A dark-coloured bark, more nearly resembling in outward appearance *A. aneura* var., than any other exhibited. It contains abundance of poor fibre. Analysed and found to contain 7·15 per cent. tannic acid.
28	Acacia penninervis ..... (Mountain Hickory.)	Sieb.	Leguminosæ ..	Nerriga, Southern New South Wales.	Broad-leaved variety. This is a splendid bark for tanning purposes. It was at one time considered not to be a Wattle, as the trees grow to a large size, and the leaves somewhat resemble "Gum" (Eucalyptus) leaves. It is now coming into use, and is by tanners considered a good bark, although more fibrous than the bark from *Acacia decurrens*. A very large number of specimens of this bark have been analysed at the Museum, and tannic acid found up to 32·25 per cent. The bark does not appear to obtain its maximum of tannic acid until the trees reach a good size, so that it is injudicious to strip small trees. For further information respecting this valuable tan-bark, see Museum publication "Wattles and Wattle Barks." 2nd Edition.
29	Acacia penninervis ..... ("Mountain Hickory.")	Sieb.	Leguminosæ ..	Sugarloaf Mountain, Braidwood, New South Wales.	Broad-leaved variety.
30	Acacia penninervis ..... (Called Hickory in the Braidwood district, N.S.W.)	Sieb.	Leguminosæ ..	Nelligen, Southern New South Wales.	Narrow-leaved variety.
31	Acacia pycnantha..... ("Broad-leaved" or "Golden Wattle" of South Australia.)	Benth. ..	Leguminosæ ..	Blumberg, South Australia.	This is a specimen of the best Wattle bark for tanning purposes grown in Australia. A large number of Analyses made at the Museum of this bark have reached 40 per cent. tannic acid, the highest being 46·47 per cent.

Department of Public Instruction, Sydney.—Miscellaneous collection of N.S.W. Barks—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
32	Acacia salicina ..... (Native Willow of Koobah.)	Lindl. ..	Leguminosæ ..	Tarella, Wileannia, Western New South Wales.	A dry, flaky, interior bark, known to be used by the aborigines for tanning skins. This is interesting as containing sufficient tannic acid to make it of importance as a tan-bark for the dry Western districts of the Colony where it grows. The majority of the Wattle barks from this portion of New South Wales are very poor. Analysed and found to contain 13·51 per cent. tannic acid.
33	Acacia sentis ..... (Thorny Wattle Bark.)	F. v. M..	Leguminosæ ..	Ivanhoe, near Hay, New South Wales.	A rough furrowed bark, having little value as a tan-bark. Analysed and found to contain 6·32 per cent. tannic acid.
34	Acacia sentis ..... (Thorny Wattle.)	F. v. M..	Leguminosæ ..	Cobham Lake, Wileannia, Western N.S.W.	Analysed and found to contain 10·26 per cent. tannic acid. The presence of this species is looked upon as a sure indication of the presence of water.
35	Acacia subporosa	F. v. M..	Leguminosæ ..	Colombo, New South Wales.	A sealy, indifferent looking bark. Analysed and found to contain 6·6 per cent. tannic acid.
36	Acacia stenophylla ..... (Ironwood.)	A. Cunn..	Leguminosæ ..	Western New South Wales. Yantara Lake, Milparinka, N.S.W.	A western species of the usual appearance, having a rugged, coarsely-fissured bark. Analysed and found to contain 9·49 per cent. tannic acid.
37	Acacia tetragonophylla .... (Dead Finish.)	F. v. M..	Leguminosæ ..	Tarella, Wilcannia, Western New South Wales.	One of the usual dry, fissured, interior country barks. Exceedingly like *A. homalophylla*. It consists almost entirely of fibre. Analysis gave 5·59 per cent. tannic acid.
38	Acacia vernicifina.....	A. Cunn..	Leguminosæ ..	Delegate River, New South Wales.	This is a small tree, and the bark is useless for the tanner. Analysed and found to contain 3·16 per cent. tannic acid.
39	Acacia vestita ..... (Wattle.)	Ker.	Leguminosæ ..	Quiedong, near Bombala, Southern New South Wales.	One of the most beautiful of wattles, but unfortunately not of wide distribution. As a tan bark it is excellent, and trees are found 18 inches in diameter. Analysis gave 33·2 per cent. of tannic acid, so that it is a most useful bark and worthy of cultivation.
40	Alphitonia excelsa ..... (Red Ash Bark.)	Reiss....	Myrtaceæ	Cambewarra, New South Wales.	A compact bark. Analysed and found to contain 8 per cent. tannic acid.
41	Backhousia myrtifolia..... (Grey Myrtle.)	Hook and Harv.	Myrtaceæ	Cambewarra, New South Wales.	A whitish, flaky bark, almost always covered with lichens, &c., owing to the dampness of the situations in which it prefers to grow. Analysed and found to contain 16 per cent. tannic acid.
42	Angophora intermedia .... (Narrow-leaved Appletree.)	DC.	Myrtaceæ	Colombo, New South Wales.	A yellowish, fibrous, apparently useless bark.
43	Eucalyptus amygdalina var. (Mountain Ash.)	Labill ..	Myrtaceæ	Sugarloaf Mountain, Braidwood, N.S.W.	A dark furrowed fibrous bark. These Eucalyptus barks possess interest to botanists on account of their variability.
44	Eucalyptus amygdalina	Labill ..	Myrtaceæ	Cambewarra, New South Wales. Collected 7th May, 1888.	
45	Eucalyptus amygdalina var. (Ribbon Gum Bark.)	Labill ..	Myrtaceæ	Cambewarra, New South Wales.	
46	Eucalyptus amygdalina var. (Mountain Ash.)	Labill ..	Myrtaceæ	Sugarloaf Mountain, Braidwood, N.S.W.	Yielded by a peculiar variety of this species, and looks very much like ordinary Bloodwood bark (*E. corymbosa*).
47	Eucalyptus Bäuerleni	F. v. M..	Myrtaceæ	Sugarloaf Mountain, Braidwood, New South Wales.	A smooth, compact bark.

Department of Public Instruction, Sydney.—Miscellaneous collection of N.S.W. Barks—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
48	Eucalyptus botryoides var. (White Gum.)	Sm.	Myrtaceæ	Cambewarra, N.S.W. ..	A smooth bark of the *E. maculata* type.
49	Eucalyptus botryoides .... (Bastard Mahogany.)	Sm.	Myrtaceæ	Dromedary Mountain, Tilba Tilba, New South Wales.	A bark totally different in appearance from the previous specimen, being furrowed and soft externally.
50	Eucalyptus corymbosa .... (Bloodwood.)	Sm.	Myrtaceæ	The Valley, near Springwood, N.S.W.	A reddish, pulverulent, flaky bark, whose appearance is well known.
51	Eucalyptus gonioealyx var.. (Giant Gum.)	F. v. M..	Myrtaceæ	Delegate River, Southern New South Wales.	Wood used for all kinds of rough work, fencing, &c., but frequently not practically available an account of its huge diameter and situation in rough brush country. A smooth, compact bark.
52	Eucalyptus goniocalyx, var. (Mountain Gum.)	F. v. M..	Myrtaceæ	Monga, near Braidwood, New South Wales.	
53	Eucalyptus Gunnii, var..... (Flooded Gum.)	Hook, fil.	Myrtaceæ	Delegate, N.S.W.	
54	Eucalyptus hæmastoma.... (Rough or small leaved Stringybark.)	Sm.	Myrtaceæ	Colombo, near Candelo, New South Wales.	A rough, fibrous bark.
55	Eucalyptus longifolia ..... (Woollybutt.)	Link.....	Myrtaceæ	Dromedary Mountain, Tilba Tilba, New South Wales.	A sub-fibrous bark.
56	Eucalyptus Maideni..... (White or Blue Gum.)	F. v. M..	Myrtaceæ	Colombo, near Candelo, New South Wales.	A species until a few years back confused with *E. globulus.*
57	Eucalyptus melliodora .... (Yellow Box.)	A. Cunn..	Myrtaceæ	Colombo, near Candelo, New South Wales.	A bark of a yellowish brown colour, with whitish patches. It is somewhat fissured. Sometimes the bark contains a large quantity of kino disseminated through its mass. It might then be utilised as a tan-bark. An analysis of a specimen of this bark gave 4·03 per cent. tannic acid.
58	Eucalyptus microtheca .... (Bastard Box.)	F. v. M..	Myrtaceæ	Dry Lakes, Wileannia, New South Wales.	Much like *E. polyanthema* bark in appearance.
59	Eucalyptus odorata, var. .. (White Box.)	Behr....	Myrtaceæ	Wongrabell, near Eden, New South Wales.	Much like the preceding, only a little white, and much puckered or wavy looking.
60	Eucalyptus paniculata .... (She Ironbark.)	Sm.	Myrtaceæ	North Ryde, near Sydney, New South Wales.	A typical ironbark, as regards furrowed, rugged appearance; but the present sample is not from a very old tree, and therefore is not very hard.
61	Eucalyptus pauciflora ..... (Cabbage-gum Bark.)	Sieb.....	Myrtaceæ	Monga, near Braidwood, New South Wales.	A smooth, rather thick bark.
62	Eucalyptus pilularis ..... (Blackbutt.)	Sm.	Myrtaceæ	Eastwood, near Sydney, New South Wales.	A fibrous bark, a poor tan yielder. The percentage of tannic acid would be influenced by the presence of kino admixed with the fibres, this kino being almost entirely tannic acid.
63	Eucalyptus piperita ..... (Peppermint.)	Sm.	Myrtaceæ	Brooman, Clyde River, New South Wales.	A smoothish, grey looking bark, and poor for tanning.
64	Eucalyptus polyanthema .. (Box.)	Sehauer..	Myrtaceæ	Quiedong, near Bombala, New South Wales.	A white, hoary looking, semi-fibrous bark.

Department of Public Instruction, Sydney.—Miscellaneous collection of N.S.W. Barks—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Appplications.
65	Eucalyptus punctata ..... (Grey Gum.)	DC.	Myrtaceæ ...	The Valley, near Springwood, New South Wales.	A smooth bark in appearance, yet with a raspy feel; very solid and thick. Is characteristic, as far as my experience goes.
66	Eucalyptus resinifera ..... (Forest Mahogany.)	Sm.	Myrtaceæ	Bangley Creek, Shoalhaven, New South Wales.	A soft, fibrous bark, and useless for tanning purposes.
67	Eucalyptus robusta ..... (Mahogany.)	Sm.	Myrtaceæ	Brooman, Clyde River, New South Wales.	A fibrous, fissured bark, useless for tanning purposes.
68	Eucalyptus rostrata ..... (Red Gum.)	Schlecht.	Myrtaceæ .. .	Colombo, near Candelo New South Wales.	This bark is said to contain about 8 per cent. tannic acid. Smooth, compact, and hard.
69	Eucalyptus Sieberiana .... Syn. *E. virgata.* (Cabbage Gum.)	F. v. M.. Sieb.	Myrtaceæ	Tantawanglo Mountain New South Wales.	A scaly bark, inclined to be fibrous.
70	Eucalyptus stellulata ..... (Sally, or Black Gum.)	Sieb.	Myrtaceæ	Blue Bell, near Braidwood, New South Wales.	Black, hard, and heavy.
71	Eucalyptus stricta	A. Cunn..	Myrtaceæ	Sugarloaf Mountain, near Braidwood, new South Wales.	A smooth compact bark.
72	Eucalyptus Stuartiana .... (Apple-tree.)	F. v. M..	Myrtaceæ	Quiedong, near Bombala, New South Wales.	A whitish grey bark, very like, in outward appearance, *E. polyanthema.*
73	Eucalyptus tereticornis .... (Blue Gum.)	Sm.	Myrtaceæ	Cambewarra, New South Wales.	A hard, thick, compact bark.
74	Eucalyptus viminalis, var... (Manna Gum.)	Labill. ..	Myrtaceæ	Quiedong, near Bombala, New South Wales.	Another bark of the smooth-bark series.
75	Banksia marginata ..... (Honeysuckle.)	Cav.	Proteaceæ	Brown's Camp, Delegate River, New South Wales.	A thinnish bark, grey externally and comparatively smooth.
76	Banksia serrata ..... (Honeysuckle.)	Linn. fil..	Proteaceæ	Bangley Creek, Cambewarra, New South Wales.	The liquor obtained from this bark is a very dark red colour. Analysed and found to contain 8·64 per cent. tannic acid.
77	Callicoma serratifolia ..... (A Beech.)	Andr. ..	Saxifrageæ	Sugarloaf Mountain, Braidwood, New South Wales.	A thin bark, much resembling a Wattle Bark. An analysis of this bark gave 8·025 per cent. tannic acid.
78	Castanospermum australe.. (Moreton Bay Chestnut.)	A. Cunn..	Leguminosæ ..	Lismore, New South Wales.	A grey looking bark, smooth externally.
79	Casuarina glauca ..... (Belar, or Bull Oak.)	Sieb.	Casuarineæ	Bolong Swamp, Nowra, New South Wales.	A greyish bark. Seems to call for no particular comment. The Curator found 11·58 per cent. of tannic acid in this bark.
80	Casuarina torulosa ..... (Forest Oak.)	Aiton ..	Casuarineæ	The Valley, near Springwood, New South Wales.	Far more fissured even than *C. suberosa*, the bark, in lenticular forms, presenting a rather ornamental appearance. Analysed and found to contain 5·384 per cent. tannic acid.
81	Ceratopetalum gummiferum (Christmas Tree.)	Sm.	Saxifrageæ .... Wales.	Cambewarra, New South	A rugged lookidg bark when the trees have attained a large size.

Department of Public Instruction, Sydney.—Miscellaneous collection of N.S.W. Barks—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
82	Cloxylon australe	Baill	Euphorbiaceæ..	Bangley Creek, Cambewarra, N.S.W.	
83	Cryptocarya glaucescens .. (Black Beech.)	R. Br. ..	Laurineæ.....	Bangley Creek, Shoalhaven, New South Wales.	The external portions of this bark flake off in pieces leaving deep hollows. Analysed and found to contain 8·5 per cent. tannic acid.
84	Cupania semiglauca..... (Wild Quince.)	F. v. M..	Sapindaceæ....	Bangley Creek, Shoalhaven, New South Wales.	A smooth bark, much resembling Wattle-bark, and it would be difficult to detect its admixture if used as an adulterant with the barks of *Acacia decurrens*. It contains 14·933 per cent. tannic acid, so that it is not a useless bark.
85	Diploglottis Cunninghamii.. (Tamarind.)	Hook fil..	Sapindaceæ....	Cambewarra Mountain, New South Wales.	In external appearance much resembles sassafras bark.
86	Elæocarpus grandis..... (Blue Fig.)	F. v. M..	Tiliaceæ	From cultivated tree, Botanical Gardens, Sydney, N.S.W.	The Curator has examined this bark for tannic acid and found it to contain 3·25 per cent., insufficient for tanning purposes.
87	Elæocarpus grandis..... (Blue Fig.)	F. v. M..	Tiliaceæ	Teven Creek, Ballina, New South Wales.	A grey looking compact bark.
88	Elæocarpus reticulata, var. Kirtonii. (Mountain Ash.)	F. v. M..	Tiliaceæ	Cambewarra Mountain, New South Wales.	A smooth bark. Analysed and found to contain 11·75 per cent. tannic acid.
89	Eucryphia Moorei..... (Acacia or Plum-tree.)	F. v. M..	Saxifrageæ	Monga, near Braidwood, New South Wales.	This bark has been tried by some settlers in the Braidwood district as a tan with excellent results. The Curator found 7·74 per cent. of tannic acid in this bark.
90	Eugenia myrtifolia ..... (Red Myrtle.)	Sims	Myrtaceæ.....	Bangley Creek, Cambewarra, New South Wales.	Quite different in appearance to the preceding. Colour, light grey, and smoothish, or peeling off in very thin flakes. Analysed and found to contain 14·22 per cent. tannic acid.
91	Eugenia Smithii ..... (Lilly Pilly.)	Poir	Myrtaceæ.....	Cambewarra, New South Wales.	A reddish bark, the outer portion of which is very flaky or warty. This may eventually become a tan-bark of some importance. It has lately been used with excellent results, making a leather stronger in some respects than that obtained from wattle bark.
92	Fusanus acuminatus ..... (Quandong.)	R. Br. ..	Santalaceæ	Ivanhoe, near Hay, New South Wales.	A greyish, smooth, compact bark.
93	Hakea saligna	R. Br. ..	Proteaceæ	Tantawanglo Mt., near Candelo, New South Wales.	A greyish, thin, smooth bark. The interior surface has the characteristic lenticular appearance of the Proteaceous barks. As a tan-bark it has some value. Analysed and found to contain 20·42 per cent. tannic acid.
94	Melia composita ..... (White Cedar.)	Willd. ..	Meliaceæ	Cambewarra, New South Wales.	A rather rugged or fissured bark. Analysed and found to contain 7·009 per cent. tannic acid.
95	Mallotus philippinensis	Muell. Arg.	Euphorbiaceæ..	Lismore, New South Wales.	A smoothish bark, compact and hard. Analysed and found to contain 7 per cent. tannic acid.
96	Notelæa ligustrina ..... (Silkwood.)	Vent. ..	Jasmineæ.....	Delegate River, New South Wales.	Externally flaky, rather thin. Analysed and found to contain 6·25 per cent. tannic acid.
97	Phyllanthus Ferdinandi.... (Pencil Cedar.)	F. v. M..	Euphorbiaceæ..	Bangley Creek, Cambewarra, N.S.W.	A smoothish bark, slightly fissured, and flaky. Colour, dirty grey. Analysed and found to contain 3·34 per cent. tannic acid.
98	Polyosma Cunninghamii.... (Featherwood Bark.)	J. J. Bennett.	Saxifrageæ	Jasper's Brush, Cambewarra, New South Wales	A smoothish bark, of small size.

Department of Public Instruction, Sydney.—Miscellaneous collection of N.S.W. Barks—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Locality of Specimen.	Economic Applications.
99	Rhodamnia trinerva ..... (Brush Turpentine Bark.)	Blume ..	Myrtaceæ.....	Bangley Creek, Cambewarra, N.S.W.	A rugged, fibrous, dark brown bark.
100	Aehras laurifolia ..... (Sycamore.)	F. v. M..	Sapotaceæ	Cambewarra Mountains, New South Wales.	External portions have flaked off, giving the bark a hollowed appearance. Analysed and found to contain 8·25 per cent. of tannic acid.
101	Eehinocarpus (Sloanea) Woollsi. (Yellow Caraben.)	F. v. M..	Tiliaceæ	Teven Creek, Ballina, New South Wales.	A smooth compact bark.
102	Stenocarpus salignus ..... (Beefwood or Silky Oak.)	B. Br. ..	Proteaceæ	Bangley Creek, Cambewarra, N.S W.	Having the charaeteristic network appearanee of the Protaceeous barks.
103	Telopea oreades ..... (Gippsland Waratah.)	F. v. M..	Proteaceæ	Delegate River, New South Wales.	A thin, smoothish bark.
104	Tristania laurina ..... (Water Gum.)	R. Br. ..	Myrtaceæ	Gullies between the Valley and Springwood, New South Wales.	This bark has eeonomic value as a tan-bark, and may eventually be used as sueh. It is moderately plentiful. The Curator has analysed several speeimens of this bark from different localities, and found tannic acid up to 21·54 per cent.
105	Tristania laurina ..... (Water Gum.)	B. Br. ..	Myrtaceæ	Cambewarra Mountains, New South Wales.	A bark quite different in general appearance from the former sample, showing the influence of situation.
106	Tristania laurina ..... (Water-gum.)	B. Br. ..	Myrtaeeæ	Bangley Creek, Cambewarra, N.S.W.	
107	Atherosperma moschata.... (Vietorian Sassafras.)	Labill. ..	Monimieæ	Bonang, near Delegate, *via* Bombala, New South Wales.	An aromatic bark, containing an essential oil to which medicinal properties are attributed.
108	Ceratopetalum apetalum .. (Coachwood)	D. Don..	Saxifrageæ	Bangley Creek, Cambewarra, New South Wales.	A solid, useful bark, containing *coumarin*. Although it eontains sufficient tannic aeid to enable it to be used as a tan-bark, yet, the colour of the leather would be dark if tanned with it. Analyses show this bark to contain as much as 20 per eent. tannic acid.
109	Doryphora sassafras..... (Sassafras.)	Endl. ..	Monimieæ	Jasper's Brush, Cambewarra, New South Wales.	This bark is largely used by the settlers as a tonic medicine. It contains less than 1 per cent. of tannic acid.
110	Euodia microcoeca	F. v. M..	Rutaceæ	Barney's Wharf, Shoalhaven, New South Wales.	A brittle bark, from small trees, covered with lichens. It is supposed to possess medicinal properties, owing to the presence in it of an exeellent oil.
111	Ochrosia Moorei	F. v. M..	Apocyneæ	Tintenbar, New South Wales.	A bark of an intensely bitter taste, which may be found to possess medieinal properties.
112	Piper Novæ Hollandiæ .... (Pepper Vine.)	Miq.	Piperaceæ	Teven Creek, Ballina, New South Wales.	Portion of the vine.
113	Pittosporum undulatum .. (Cheesewood.)	Andr. ..	Pittosporæ	Clyde Mountain, Monga, New South Wales.	A scaly bark having a bitter taste.
114	Callitris calcarata..... (Pine.)	R. Br. ..	Coniferæ	Tombong, Snowy River, New South Wales.	Bark showing exuded resin.
115	Synearpia laurifolia..... (Turpentine.)	Tin.	Myrtaceæ	Cambewarra, New South Wales.	The timber is valued for posts in fences, and is very durable under ground; it is very apt to rend in drying. Excellent for piles in sea-water, as it resists marine borers. The bark is fibrous, much resembling one of the fibrous Eucalypt barks.

1210. DEPARTMENT OF PUBLIC INSTRUCTION, Sydney (Technical Education Branch, Technological Museum. Curator: J. H. Maiden, F.L.S., &c.)

Indigenous Fibres of New South Wales.

Note.—These fibres possess interest chiefly on account of their use by the aborigines. No indigenous New South Wales fibre is ever likely to contribute, in an important degree, to the world's supply of fibres.

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Economic Applications.
116	Commerçonia echinata..... (Brown Kurrajong.)	Forst.	Sterculiaceæ	The aborigines use the fibre of the bark for kangaroo and fishing nets. A great deal of crushing is necessary to extract the fibre, as the bark contains a very large quantity of mucilaginous matter, which is exceedingly difficult to remove either by hot or cold water, but which, however, can be removed by alkalis. The fibre is very long, and not interlaced like that from *Laportea gigas*; it is very strong when moist, but becomes hard, and breaks more readily when dry; this is owing to the glutinous matter, which remains in it and dries hard. (H. Lardner). A thorough and complete crushing seems absolutely necessary before it can be cleaned.
117	Commerçonia Fraseri ..... (Brown Kurrajong Bark.)	J. Gay	Sterculiaceæ	The aborigines use this inner bark for fibre for kangaroo and fishing-nets.
118	Commerçonia Fraseri ..... (Brown Kurrajong.) Specimen of Fibre.	J. Gay	Sterculiaceæ	
119	Dianella longifolia ..... (Flax Lily.)	R. Br.	Liliaceæ.....	The fibre is strong, and of a silky texture. The aborigines formerly used it for making baskets, &c.
120	Eucalyptus acmenoides ... (White Mahogany.)	Schau.	Myrtaceæ	A flaky Stringybark, containing fibre of very poor quality. See *E. obliqua*.
121	Eucalyptus eugenioides ... (Stringybark.)	Sieb.	Myrtaceæ	A normal "Stringybark." See *E. obliqua*.
122	Eucalyptus macrorrhyncha (Stringybark.)	F. v. M.....	Myrtaceæ	A normal "Stringybark." See *E. obliqua*.

Department of Public Instruction, Sydney.—Indigenous Fibres of N.S.W.—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Economic Applications.
123	Eucalyptus obliqua..... (Stringybark Bark.)	L'Herit.....	Myrtaceæ	In the bush, the bark from the stems of old trees is used for thatching buildings and for door-mats, and Baron Mueller has made good paper out of the bast, suitable for writing, printing, and packing, also mill and paste-boards. The blacks in the southern portion of New South Wales use it for making fishing-nets and lines, and also baskets. The farmers in parts of New South Wales also make excellent rope from this material, which they put to a variety of purposes, *e.g.*, leg-ropes for cows, bands for hay, &c., and it is very durable. One of these leg-ropes, which has been constantly in use for two years by a farmer near Braidwood, New South Wales, is now in this Museum, and it is by no means worn out.
124	Eucalyptus robusta..... (White or Swamp Mahogany Bark.)	Sm.	Myrtaceæ	A Stringybark, of a reddish-brown colour. The fibres are coarse and strong, and possess little coherence.
125	Eucalyptus sp., prob. stricta. (White Ash.)	.....	Myrtaceæ	A light brown clean Stringybark of very fair quality. These Eucalyptus barks are shown as types of the fibrous barks of their class. They are only put to very local use.
126	Gymnostachys anceps..... (Settlers' Twine; called also Travellers' Grass. It is a Sword-sedge.)	R. Br.	Aroideæ.....	The dried leaves here are shown without any further preparation. They yield a coarse, strong fibre. When farmers use it for any purpose where particular strength is required, such as sewing up bags, or tying the legs of pigs, &c., to take to market, they usually singe the leaves by drawing them through the fire, or through hot ashes.
127	Hibiscus diversifolius	Jacq.	Malvaceæ	See remarks under *H. tiliaceus*.
128	Hibiscus tiliaceus	Linn.....	Malvaceæ	The fibre of the bark is used for nets and fishing lines by the aborigines. Many species of Hibiscus are capable of affording excellent tow and hemp, the staple being long, fibre uniform, silky, and fine. The cordage is of superior quality to that made from the coarser fibres.

Department of Public Instruction, Sydney.—Indigenous Fibres of N.S.W.—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Economic Applications.
129	Laportea gigas ..... (Giant Nettle-tree Bark).	Wedd.	Urticæ	The bark of this tree yields an excellent fibre, of good colour. The inner bark can be beaten into a kind of coarse cloth, similar to the Tapa cloth made by the South Sea Islanders, from *Broussonetia papyrifera*. The tree is abundant, and the fibre could, if necessary, be produced in large quantity. The best and strongest fibre is obtained from the root bark. Crushing and beating seems to be the only method of separating the fibre; steeping in water will not succeed—the whole of the bark mats together. The aborigines make most of their nets and lines (Clarence district) from this fibre. The only further preparation that it receives from them is chewing it. The wood is soft and fibrous, and might be pulped up for paper.
130	Linum marginale (whole plant.) Native Flax.	A. Cunn. ...	Lineæ	Although a smaller plant than the true flax, this plant yields fibre of excellent quality. It is used by the blacks for making fishing-nets and cordage.
131	Macrozamia spiralis ..... (Pulu, from the Burrawang.)	Miq.	Cycadeæ	The hairy covering of the speaks, forming a kind of pulu. It is occasionally used for mattresses and coach-stuffing. It would seem tedious to collect, but if the fronds are cut down and left lying exposed to the sun and wind for a few days, the "pulu" comes off quite easily, and often can be found loose on the ground. It is plentiful enough in certain districts for children to collect it profitably.
132	Pimelea axiflorea ..... (The bark).	F. v. M.	Thymelaceæ	See *P. ligustrina*.
133	Pimelea pauciflora; syn. *P. ligustrina*. (The bark).	Labill	Thymelaceæ	Both these species of Pimelea yield a very strong fibre. When properly dressed it is of a very good colour, and silky. The stems of these plants are but of small diameter, yet often very long. It is used in the bush for tying purposes; the aborigines make excellent fibre out of it.
134	Sida rhombifolia ..... *Sida retusa* (a synonym) is the name by which this plant is most generally known in New South Wales. (Paddy's Lucerne, or Queensland Hemp.) Whole plant.	Linn.	Malvaceæ	This is a great pest in cultivated lands in parts of coastal New South Wales and Queensland. It yields a long, splendid fibre, and could be produced in any quantity. This plant is not endemic in Australia. The utilisation of this undoubtedly good fibre has exercised Colonial governments and private persons for many years. A cheap and effective process for winning it is now available, and operations are only stayed from lack of sufficient material in particular spots to keep a mill going. It seems that the best way will be to systematically cultivate the weed in suitable localities—to turn it into a crop in fact.

Department of Public Instruction, Sydney.—Indigenous Fibres of N.S.W.—*continued.*

No. of Specimen.	Botanical Name.	Author.	Natural Order.	Econom Applications.
135	Sida rhombifolia ..... (Fibre.)	Linn.	Malvaceæ	
136	Sterculia acerifolia ..... (Flame tree.)	A. Cunn. ...	Sterculiaceæ	The bark is fully 2 inches thick when the tree is full grown, and furnishes bast of a most beautiful lace-like texture. The fibre is very simply prepared by steeping, and is suitable for cordage and nets, ropes, mats, baskets, &c., and is useful as a paper material. The tow is of a very elastic nature, and is suitable for upholstering purposes, such as stuffing mattresses or pillows. (Guilfoyle.) Found in the northern districts of New South Wales.
137	Sterculia diversifolia ..... Syn.: *Brachychiton populneum*.. (Black Kurrajong, called Bottle-tree in Victoria.) Bark.	G. Don	Sterculiaceæ	A strong fibre is obtained from the bark. It is used by the aborigines for making fishing-nets, both in East and West Australia. Almost, if not all, the species of *Sterculia* ase used by the aborigines for a similar purpose.
138	Sterculia diversifolia ..... Syn.: *Brachychiton populneum*. (Black Kurrajong, called Bottle-tree in Victoria.) Fibre.	G. Don	Sterculiaceæ	
139	Sterculia lurida	F. v. M. ...	Sterculiaceæ	The bark yields a strong and valuable fibre, similar to bass or Russia matting.
140	Typha angustifolia ..... Leaves, bullrush, and inflorescence. (Down.)	Linn.	Typhaceæ	The leaves are used for making mats in the colonies, and are formed into buoyant mattresses in Italy; some have also been made in Tasmania. The leaves of this cosmopolitan plant are used in these colonies (as in England) to place between the staves of casks and tubs to render them water tight. The soft woolly inflorescence of the male spadix is used for stuffing pillows and cushions in some parts of the colonies. Immense quantities of fibre of good quality used to be made by the aborigines from this plant, which was utilised in the manufacture of bags, fishing-nets, &c. The root contains a small quantity of a starchy matter, and is chewed on this account,—a ball of fibre being the result of the mastication of each mouthful. This "food refuse" is carefully saved and utilised. Found in ponds, rivers, and creeks throughout the colony.

1211. DEPARTMENT OF PUBLIC INSTRUCTION, Sydney (Technical Education Branch, Technological Museum: Curator, J. H. Maiden, F.L.S., &c.)

Galls, and Specimens of Australian Economic Entomology.

[Each Specimen is mounted on a sheet of card-board, nine by six inches, which is fixed in a shallow card-board box. Australian plants and Australian insects are alone dealt with, and each specimen shows the life-history of a particular insect, together with a twig of its food-plant. Prepared by Mr. W. W. Froggatt.]

No.	Name.	Author.	Family.	Food Plant.	Locality.	Remarks.
1	Brachyscelis duplex....	Schrader.	Brachyscelidæ	Eucalyptus sp.	Newcastle, N.S.W.	The Brachyscelidæ are gall making coccids, the females forming large wooden galls; those of the males, small and tubular. "The two-pronged gall."
2	Brachyscelis munita ..	Schrader.	Brachyscelidæ	Eucalyptus robusta, Sm.	Botany, Sydney	Straight horned variety of gall.
3	Brachyscelis munita....	Schrader.	Brachyscelidæ	Eucalyptus sp.	Wellington, N.S.W.....	Curved horn (typical).
4	Brachyscelis munita....	Schrader.	Brachyscelidæ	Eucalyptus sp.	Yass, N.S.W.....	Aborted variety.
5	Brachyscelis pharatrata	Schrader.	Brachyscelidæ	Eucalyptus sp.	Botany and Newcastle..	The cockscomb gall.
6	Brachyscelis pileata....	Schrader.	Brachyscelidæ	Eucalyptus piperita, Sm.	Rose Bay, Sydney	Thick-lipped gall.
7	Brachyscelis ovicola ..	Schrader.	Brachyscelidæ	Eucalyptus gracilis F.v.M.	Bendigo, Victoria.....	Woody egg-shaped coccid galls.
8	Brachyscelis ovicola ..	Schrader.	Brachyscelidæ	Eucalyptus sp.	Wellington, N.S.W.....	Showing one formed on a flower bud.
9	Brachyscelis Bäcuerleni	Froggatt.	Brachyscelidæ	Eucalyptus sp.	Ballina, N.S.W.....	A rare form.
10	Brachyscelis variabilis..	Froggatt.	Brachyscelidæ	Eucalyptus sp.	Parramatta, N.S.W. ..	The double-celled gall with dome above.
11	Brachyscelis Thorntoni	Froggatt.	Brachyscelidæ	Eucalyptus sp.	Newcastle, N.S.W.	A cockscomb gall.
12	Brachyscelis rugosa....	Froggatt.	Brachyscelidæ	Eucalyptus sp.	Allalong, Maitland, N.S.W.	A ridged gall.
13	Brachyscelis tricornis..	Froggatt.	Brachyscelidæ	Eucalyptus sp.	Homebush, Sydney....	The three-horned gall.
14	Brachyscelis pomaformis.	Froggatt.	Brachyscelidæ	Eucalyptus sp.	Torrens Creek, North Queensland.	The blood-wood apple.
15	Brachyscelis conica....	Froggatt.	Brachyscelidæ	Eucalyptus viminalis Labill.	Cooma, N.S.W.	An oval gall.
16	Brachyscelis nux	Olliff	Brachyscelidæ	Eucalyptus macrorhyncha F.v.M.	Yass and Goulburn, N.S.W.	The nut gall, one of the cockscomb galls.
17	Brachyscelis pedunculata.	Olliff	Brachyscelidæ	Eucalyptus piperita, Sm.	Rose Bay, Sydney.....	A long slender stalked gall.
18	Brachyscelis crispa	Olliff	Brachyscelidæ	Eucalyptus sp.	Homebush, Sydney....	The nut gall.
19	Brachyscelis minor	Froggatt.	Brachyscelidæ	Eucalyptus hæmastoma Sm.	Wollongong, N.S.W....	Small egg-shaped gall, the females often in clusters.
20	Ascelis præmollis.....	Schrader.	Brachyscelidæ	Eucalyptus hæmastoma Sm.	Botany, Sydney	Flat blister gall on leaves.

Department of Public Instruction. Sydney.—Galls, &c.—*continued.*

No.	Name.	Author.	Family.	Food Plant.	Locality.	Remarks.
21	Ascelis sp.	.....	Brachyscelidæ	Eucalyptus resinifera A. Cunn.	Mossman's Bay, Sydney	Aborts the young twigs and leaves into twisted masses. The male galls small, thorn like; the female, swollen at base, with nipple.
22	Ascelis sp.	.....	Brachyscelidæ	Eucalyptus sp.	Allalong, Maitland, N.S.W.	The thorn gall.
23	Ascelis sp.	.....	Brachyscelidæ	Leptospermum lævigatum, F. v. M.	Botany, Sydney.....	A coccid burying itself in the inner bark of twigs, and causing irregular shaped galls.
24	Ascelis sp.	.....	Brachyscelidæ	Leptospermum flavescens, Sm.	Mossman's Bay, Sydney	The little pear gall, forming large masses of little galls on the twigs and killing the tree.
25	Cyclocylindrococcus spinifera.	Maskell..	Brachyscelidæ	Casuarina distyla, Vent.	Wimmera district, Victoria.	Bract gall, looking like a seed-cone.
26	Frenchia casuarina	Maskell..	Brachyscelidæ	Casuarina distyla, Vent.	Rose Bay, Sydney.....	The horn scale.
27	Opisthocelis subrotunda	Schrader	Brachyscelidæ	Eucalyptus hæmastoma, Sm.	Mossman's Bay, Sydney	A coccid gall-maker, the female with two long legs, the gall round and solid on the leaves.
28	Cyclocylindrococcus casuarinæ.	Maskell..	Brachyscelidæ	Casuarina suberosa, Otto et Dictr.	Victoria	A long slender gall.
29	Psylla sp.....	.....	Psyllidæ	Ficus macrophylla, Desf.	Outer Domain, Sydney..	On all the fig-trees round Sydney in October and November.
30	Psylla sp.....	.....	Psyllidæ	Eucalyptus sp.	Bungendore, N.S.W. ..	Excrescences on the leaves formed by the young larvæ.
31	Psylla sp.....	.....	Psyllidæ	Eucalyptus botryoides, Sm.	Gerringong, N.S.W.....	Fleshy leaf-gall.
32	.....	.....	Coccidæ	Eucalyptus robusta, Sm.	Botany, Sydney.....	The full-grown insects burrow into the young leaves.
33	.....	.....	Coccidæ	Eucalyptus obtusiflora, DC.	Watson's Bay, Sydney..	Burrow into the leaves.
34	.....	.....	Coccidæ	Casuarina sp.....	Allalong, Maitland, N.S.W.	
35	.....	.....	.....	Eucalyptus corymbosa, Sm.	Rose Bay, Sydney.....	Blister gall on leaves.
36	Psylla sp.....	.....	Psyllidæ	Eugenia Smithi, Poir.	Gerringong, N.S.W.....	Curled leaf psylla.
37	Psylla sp.....	.....	Psyllidæ	Eucalyptus leucoxylon, F. v. M.	Bendigo, Victoria.....	Curled leaf psylla.
38	.....	.....	.....	Eucalyptus sp.	Bendigo, Victoria.....	Circular ringed gall on leaf.
39	Psylla (?)	.....	Psyllidæ	Eucalyptus robusta, Sm.	Manly, Sydney	The shell lerp scale.
40	Psylla sp. (?)	.....	Psyllidæ	E. hæmastoma, Sm...	Mossman's Bay, Sydney	The hard pea-shaped gall.
41	Cecidomyia acaciæ—longifolia.	Skuse ..	Cecidomyidæ	Acacia longifolia, Willd.	Rose Bay, Sydney.....	A curious compound gall, formed from aborted seed-pods.
42	Cecidomyia Frauenfeldi	Schiner..	Cecidomyidæ	Leptospermum lævigatum, F. v. M.	Botany, Sydney.....	A rosette gall, formed on the flower-buds.
43	Diplosis parilis	Skuse ..	Cecidomyidæ.....	Eucalyptus hæmastoma, Sm.	Botany, Sydney.....	The slit gall on the leaves.

Department of Public Instruction, Sydney.—Galls, &c.—*continued.*

No	Name.	Author.	Family.	Food Plant.	Locality.	Remarks.
44	Diplosis eucalypti.....	Skuse ..	Cecidomyidæ	Eucalyptus botryoides, Sm.	Gerringong, N.S.W.....	Swollen stem gall.
45	Cecidomyia sp.	.....	Cecidomyidæ	Acacia dealbata, Link.	Wagga, N.S.W.	Velvet gall, much attacked by chalcididæ.
46	Hormomyia omalanthi..	Skuse ..	Cecidomyidæ	Eucalyptus robusta, Sm.	Yass, N.S.W.	The shot gall on leaves of trees.
47	Agromyza sp.....	.....	Agromyzidæ	Eucalyptus corymbosa, Sm.	Rose Bay, Sydney.....	Aborts the leaves into soft fleshy masses.
48	Agromyza sp.....	.....	Agromyzidæ	Eucalyptus Sieberiana, F. v. M.	Mossman's Bay, Sydney	Lump gall at tip of twigs, soft and fleshy.
49	Phytomyza sp.	.....	Phytomyzidæ.....	Vitis antarctica, Benth	Gerringong, N.S.W.....	A leaf-mining fly.
50	Ethon corpulentus	Bohem...	Buprestidæ	Dillwynia ericifolia, Sm.	Botany, Sydney.....	Gall-making *Buprestis*, forming oval galls on roots.
51	Ethon affinis	L. & G...	Buprestidæ	Pultenæa stipularis, Sm.	Mossman's Bay, Sydney	Gall-making *Buprestis*, forming galls on stem.
52	Ethon marmoreum	L. & G...	Buprestidæ	Dillwynia ericifolia, Sm.	Botany, Sydney.....	Gall-making *Buprestis*, forming galls on roots.
53	Agrilis sp.	.....	Buprestidæ	Casuarina distyla, Vent.	Rose Bay, Sydney.....	Gall-making *Buprestis*, forming galls on roots.
54	Chrysolopus spectabilis	Donov...	Curculionidæ	Acacia suaveolens, Willd.	Rose Bay, Sydney.....	Life history of the Botany Bay diamond beetle.
55	Rhinotia hæmoptera ..	Kirby ..	Curculionidæ	Acacia suaveolens, Willd.	Rose Bay, Sydney.....	Life history.
56	Symphyletes neglectus..	Pascoe ..	Cerambycidæ	Acacia longifolia, Willd.	Botany, Sydney.....	A very destructive ringbarking longicorn.
57	Symphyletes solandri ..	Fab.	Cerambycidæ	Xanthorrhœa hastilis, R. Br.	Botany, Sydney	Grass tree longicorn—the larvæ living in the flower stalk.
58	.....	.....	Curculionidæ	Astrotricha floccosa, DC.	Rose Bay, Sydney.....	Attacking the stems and eating the pith.
59	Uracanthus triangularis	Hope....	Cerambycidæ	Eriostemon lanceolatus, Gaert.	Botany, Sydney.....	A destructive longicorn.
60	Phoracantha recurva ..	Newm...	Cerambycidæ	Eucalyptus sp.	Sydney, N.S.W.....	Common in firewood used in Sydney.
61	Rhagiomorpha concolor	W. S. Macleay.	Cerambycidæ	Eucalyptus sp.	Sydney, N.S.W.....	Common in firewood used in Sydney.
62	Aterpus culturatus	Fab.	Curculionidæ	Eucalyptus corymbosa, Saw.	Manly, Sydney	Pupates in the base of dead stems.
63	Diadoxus erythrurus ..	White ..	Buprestidæ	Frenela robusta, A. Cunn.	Wagga, N.S.W.....	The pine-scrub beetle.
64	Anoplognathus porosus	Dalm....	Scarabæidæ	Eucalyptus sp.	Allalong, Maitland, N.S.W.	Destroys the summer foliage of many trees.
65	Arsipoda sp. ?	.....	Chrysomelidæ	Lagunaria Patersoni, Don.	Thornleigh, Sydney ...	Destroys the leaves.
66	Galerucella sp.	.....	Chrysomelidæ	Polygonnuma subsessile, R. Br.	Rose Bay, Sydney.....	Destroying leaves.

Department of Public Instruction, Sydney.—Galls, &c.—*continued.*

No.	Name.	Author.	Family.	Food Plant.	Locality.	Remarks.
67	Perga dorsalis	Leach ..	Tenthredinidæ.....	Eucalyptus Sieberiana, Sm.	Rose Bay, Sydney.....	Common san-fly—the larvæ destroying the foliage of eucalypts.
68	Perga Lewesi.....	Westw...	Tenthredinidæ	Eucalyptus corymbosa, Sm.	Mossman's Bay, Sydney	,, ,,
69	Perga Foeresteri	Westw...	Tenthredinidæ	Eucalyptus capitellata Sm.	Mossman's Bay, Sydney	,, ,,
70	Pterygophorus cintus ..	Klug	Tenthredinidæ	Leptospermum flavescens, Sm.	Mossman's Bay, Sydney	,, ,,
71	Cynips Maideni	Froggatt	Cynipidæ.....	Acacia longifolia, Willd.	Rose Bay, Sydney.....	Swollen stem gall-fly.
72	Cynips acaciæ-longifoliæ	Froggatt	Cynipidæ.....	Acacia longifolia, Willd.	Rose Bay, Sydney.....	Apple gall aborted flower-buds.
73	Cynips acaciæ-discoloris	Froggatt	Cynipidæ.....	Acacia discolor, Willd.	Rose Bay, Sydney.....	Pronged gall on twigs.
74	Cynips eucalypti-robustæ, Mss.	Froggatt	Cynipidæ.....	Eucalyptus robusta, Sm.	Botany, Sydney.....	On stems.
75	Cynips sp.	.....	Cynipidæ.....	Eucalyptus Sieberiana F. v. M.	Botany, Sydney.....	A common gall on this tree.
76	Cynips sp.	.....	Cynipidæ.....	Eucalyptus robusta, Sm.	Rose Bay, Sydney	The "Rose gall" on leaves.
77	Cynips sp.	.....	Cynipidæ.....	Stereulia sp.	Yass, N.S.W.	Gall and its parasites.
78	.. ..	.....	Chalcididæ	Eucalyptus viminalis, Hook.	Cooma, N.S.W.	Aborted lump galls, the makers of which are destroyed by chalcids.
79	.....	.....	Chalcididæ	Eucalyptus Sieberiana F. v. M.	Botany, Sydney.....	Somewhat similar.
80	Doratiophora pungens..	.....	Bombyeidæ.....	Eucalyptus Sieberiana F. v. M.	Mossman's Bay, Sydney	Destroying foliage.
81	Anthræa eucalypti	.....	Bombycidæ.....	Eucalyptus corymbosa, Sm.	Rose Bay, Sydney.....	Destroying foliage.
82	Heliocausta hemetelis..	Meyr. ..	.....	Eucalyptus hæmastoma, Sm.	Mossman's Bay, Sydney	A micro-lepidoptera that destroys the leaves of several eucalypts.
83	Ialamenus evagoras....	Donov...	Lycænidæ	Acacia decurrens .... Willd.	Maitland, N.S.W.	Larvæ feed on the foliage.
84	.....	.....	Coccideæ.....	Callicoma serratifolia, Andr.	Mossman's Bay, Sydney	Very common on the leaves in summer.
85	....	.....	Coecideæ.....	Eucalyptus sp.	St. Mary's, N.S.W.	Common on leaves.
86	Small case-moth	.....	?	Lambertia formosa .. Sm.	Watson's Bay, Sydney..	Marks made by stick-ease moth.
87	.....	.....	.....	Melaleuca nodosa, Sm.	Botany, Sydney	Formed on the seed capsules when the flowers are falling.
88	Cynips sp.	.....	Cynipidæ.....	Eucalyptus leucoxylon, F. v. M.	Bendigo, Victoria	Curious furry galls, common on the stems.
89	Cecidomyia sp.	.....	Cecidomyidæ	Eucalyptus Sieberiana F. v. M.	Botany, Sydney.....	Destroys the foliage of young trees.
90	Cynips sp.	.....	Cynipidæ.....	Eucalyptus sp.	Wellington, N.S.W.	Slender red finger gall.

12½ 22 F

1212. DEPARTMENT OF PUBLIC INSTRUCTION, SYDNEY (Technical Education Branch, Technological Museum Curator, J. H. Maiden, F.L.S., &c).

ANIMAL PRODUCTS (other than Wool). With the exception of the Emu eggs, these articles are products of the Pacific Islands, and the Australian Coast, and they are exported from Sydney in large quantities.

No.	Name.	Scientific Name.	Locality.	Remarks.
1	Twenty-one Emu eggs ...	Dromaius novæ-hollandæ.	Western plains of New South Wales.	Used in ornamental silver-smith work and in carved ornaments.
2	Five pieces of tortoise-shell.	Chelonia squamata (Linn).	North coast of Australia...	Used in the manufacture of combs, &c.
3	Twelve sperm whale's teeth	Physeter macrocephalus (Linn.)	South Pacific Ocean	Used as a substitute for ivory.
4	Sixteen pairs of pearl shell. silver-lipped variety.	Meleagrina margaritifera (Linn.)	North Coast of Australia..	One of the most valuable varieties of pearl-shell.
5	Trepang or Beche-de-Mer	Holothuria sp.	New Caledonia and the reefs along the north-eastern coast of Queensland.	As it appears after it is boiled, gutted, and dried for export to China. The Chinese consume it for food in enormous quantities.

1213. DEPARTMENT OF PUBLIC INSTRUCTION, SYDNEY (Technical Education Branch, Technological Museum Curator, J. H. Maiden, F.L.S., &c.)

TYPE EDUCATIONAL COLLECTIONS OF AUSTRALASIAN WOOLS.—Prepared by Mr. Alfred Hawkesworth, Wool Expert.

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where grown.	Presented by
		STUD WOOLS, No. 1.			
1	F 1439	Fleece of Stud Ram "Success;" 2 years old; unhoused, and fed on natural grass only; fine combing; climate, temperate; herbage, fine short natural grasses; formation, basaltic and rich flats.	About 365 days' growth.	Near Cooma, 2,657 feet above sea-level, 257 miles S.S.W. of Sydney.	Mr. James Litchfield, Hazeldean Station, Cooma, N.S.W.
2	F 1440	Fleece of Stud Ewe; 4 years old; 1st prize, Wagga Wagga; champion prize at Cooma; fine combing; climate, temperate; herbage, fine short natural grasses; formation, basaltic and rich flats.	About 365 days' growth.	Near Cooma, 2,657 feet above sea-level, 257 miles S.S.W. of Sydney.	Mr. James Litchfield, Hazeldean Station, Cooma, N.S.W.
3	F 2176	Fleece of aged Stud Ewe, No. 210; 1st and champion prizes at Bathurst, Orange, and Sydney, Royal Agricultural Society, 1892; fed and partly housed; climate, temperate; herbage; fine short natural grasses; formation, basaltic and rich agricultural lands.	365 days' growth.	Byng, near Orange, 2,843 feet above sea-level, 192 miles W. of Sydney.	Bred and presented by Mr. S. Robinson, Glenella Station, Byng, near Orange, N.S.W.
4	F 2229	Fleece of Stud Ram "Young Golden Horn;" 3 years old; sire, "Golden Horn II," by "Golden Horn," by "Treasurer," by "Golden Tom," by "Sir Thomas II," by "Old Sir Thomas." Dam, 1st Stud Ewe, No. 353, by "Elector," by "Erl King," by "Sir Robert;" weight of fleece, 23½ lb.; purchased by Mr. James Lee, of "Laras Lake," Molong, N.S.W., for 500 guineas, at Messrs, Brunker & Woolfe's Annual Stud Sheep Sale, Sydney, July 5th, 1892; partly housed, and fed on hay, oats, and mangolds.	.....	Strathroy, Tasmania ...	Mr. James Lee, Larras Lake, near Molong, N.S.W., 172 miles W.N.W. of Sydney.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		STUD WOOLS, No. 1—*continued.*			
5	F 2230	Fleece of aged Stud Ram; 6 years old; champion prize winner; cut 22½ lb. of wool, 1892; heavily used this season.	.....	Larras Lake, near Molong, N.S.W., 172 miles W.N.W. of Sydney.	Mr. James Lee, Larras Lake near Molong, N.S.W.
6	F 2181	Fleece of Stud Ram "Boorooma;" 2 years old; station bred; weight of fleece, 15 lb.; shorn 11th June, 1892; unhoused, and fed on natural grasses only; country mostly open.	About 10½ months' growth.	Boorooma, near Brewarrina, N.S.W., 527 miles N.W. of Sydney, and about 70 miles E. from Bourke.	Mr. J. Simpson, Boorooma, near Brewarrina, N.S.W.
7	F 2197	Fleece of Stud Ram, No. 55; 14 months old; station bred; from pure Wanganella Sheep; unhoused, and fed on natural grasses, except at Shows; weight of fleece, 14¼ lb.; shorn 13th July, 1892; country open, large paddocks, natural grasses.	About 330 days' growth.	Yarrawin, near Brewarrina, N.S.W., 527 miles N.W., of Sydney, and about 70 miles E. from Bourke.	Messrs. W. & T. C. Dickson, Yarrawin, near Brewarrina, N.S.W.
8	F 2261	Fleece of Stud Ewe, No. 141; 2 years and 2 months old; weight of fleece, 10 lb. of wool.	About 322 days' growth.	Glengallan, Warwick, Queensland.	Messrs. Marshall & Slade, Glengallan, Warwick, Queensland.
9	F 2265	Fleece of Stud Ewe, No. 1380; 2 years and 2 months old; weight of fleece, 10 lb. of wool.	About 323 days' growth.	Glengallan, Warwick, Queensland.	Messrs. Marshall & Slade, Glengallan, Warwick, Queensland.
10	F 2251	Fleece of Stud Ram, No. 470; 2 years and 4 months old; weight of fleece, 15 lb. of wool.	About 365 days' growth.	Glengallan, Warwick, Queensland.	Messrs. Marshall & Slade, Glengallan, Warwick, Queensland,
11	F 2247	Fleece of Stud Ram "The Colonel;" 2½ years old; by champion ram, "Silver King; Dam, "Panshanger," stud ewe, by "Cupid;" bred by Mr. D. Taylor,; at 7 months cut 7 lb. 6 oz.; at 18½ months old cut 16 lb. 14 oz. at 11 months' growth; at 2½ years cut 23 lb. at 11½ months' growth; weight of fleece (1892), 14 lb.; skirted; heavily used in stud; fed and housed.	.....	Panshanger	Mr. Percy W. Archer; bred by Mr. Joseph Archer, Panshanger, Longford, Tasmania.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		STUD WOOLS, No. 1—*continued.*			
12	F 2248	Fleece of Stud Ram "Ugly Boy II," by "Ugly Boy," by "Victory;" bred by Mr. James Gibson; Dam, "Panshanger," stud ewe; fed on oats, mangolds, and hay; sheded 3½ months before shearing; at 12 months old cut 10 lb. 13 oz., 9½ months' growth; at 23 months old cut 13 lb. 7 oz., 10½ months' growth; weight of fleeee, skirted, 9½ lb.	.....	Panshanger	Mr. Percy Archer; bred by Mr. Joseph Archer, Panshanger, Longford, Tasmania.
13	F 2177	Fleece of Stud Ewe; medium combing; prize winner, partly housed and fed.	About 10 months' growth.	Byng, near Orange, 2,843 feet above sea-level, 192 miles W. of Sydney.	Mr. S. Robinson, Glenella, Byng, near Orange, N.S.W.
14	F 1424	Fleece of Stud Ewe; Wangannella blood; station bred; unhoused, and fed on natural grasses; weight of fleeee, 12 lb. 13 oz.; rearing lamb; medium combing.	.....	Yarrawin, near Brewarrina, N.S.W., 527 miles N.W. of Sydney, and about 70 miles E. from Bourke.	Messrs. W. & T. C. Dickson, Yarrawin, near Brewarrina, N.S.W.
15	F 2199	Fleece of Stud Ram, No. 104; 5 years old; Wangannella blood; station bred; unhoused, and fed on natural grasses, except for shows; weight of fleece, 15 lb. of wool; shorn, 13 July, 1892.	About 330 days' growth.	Yarrawin, near Brewarrina, N.S.W., 527 miles N.W. of Sydney, and about 70 miles E. from Bourke.	Messrs. W. & T. C. Dickson, Yarrawin, near Brewarrina, N.S.W.
16	F 2187	Wool of Stud Ram "Flat Top;" 6-tooth; by "Golden Horn 3rd;" housed and fed; fine combing.	.....	Bellevue, Tasmania	Mr. James Gibson, Bellevue, Tasmania.
17	F 2231	Fleece of Stud Ram, by American ram; Dam, station-bred ewe.	.....	Laras Lake, near Molong, N.S.W., 172 miles W.N.W. of Sydney.	Mr. James Lee, Larras Lake, near Molong, N.S.W.
18	F 2184	Fleece of Stud Ram, "Borah;" 2 years old; by half-bred Vermont "Matchless;" Dam, "Boorooma," ewe, weight of fleece, 14 lb. of wool; unhoused, and fed on natural grasses.	About 10 months' growth.	Boorooma, near Brewarrina N.S.W., 527 miles N.W. of Sydney, and about 70 miles E. from Bourke.	Mr. J. Simpson, Boorooma, near Brewarrina, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		STUD WOOLS, No. 1—*continued.*			
19	F 2253	Fleece of Stud Ram, No. 830; 2 years and 3 months old; cut 16 lb. of wool.	About 363 days' growth.	Glengallan, Warwick, Queensland.	Messrs. Marshall & Slade, Glengallan, Warwick, Queensland.
20	F 2180	Fleece of Stud Ram "Budgeree;" 1st and champion prizes at Bathurst, Orange, and 3rd at Sydney Royal Show, 1892; by "Vermont I;" Dam by Glengallan ewe.	.....	Glengallan, Warwick, Queensland.	Executors T. G. Webb, Springfield, Byng, near Orange, N.S.W.
		COMMERCIAL WOOLS.			
21	F 2310	Fleece of ewe hogget; 15 months old; station bred; best fine combing; 2nd prize Wagga Wagga; box-wood country; red soil; unhoused, and fed on natural grasses.	About 335 days' growth.	Oura, near Wagga Wagga, 309 miles S.W. of Sydney.	Mr. G. Mulholland, Oura, Wagga Wagga, N.S.W.
22	F 2311	Fleece of ewe hogget; 15 months old; station bred; best fine combing; 2nd prize Wagga Wagga; box-wood country; red soil; unhoused, and fed on natural grasses.	About 335 days' growth.	Oura, near Wagga Wagga, 309 miles S.W. of Sydney.	Mr. G. Mulholland, Oura, Wagga Wagga, N.S.W.
23	F 2305	Fleece of 2nd stud ewe, No. 657; 2-tooth; station bred; weight of fleece, 7½ lb. of wool; unhoused, and fed on natural grasses; progeny of the original Camden Spanish flock, introduced by the late Sir William M'Arthur.	About 11 months, growth.	Mumblebone, near Warren, 353 miles W. of Sydney.	Messrs. Kater Bros., Mumblebone, near Warren, N.S.W.
24	F 2307	Fleece of 2nd stud ewe, No. 656; 2-tooth; station bred; weight of fleece, 8½ lb. of wool; unhoused, and fed on natural grasses; progeny of the original Camden Spanish flock, introduced by the late Sir William M'Arthur.	About 11 months' growth.	Mumblebone, near Warren, 353 miles W. of Sydney.	Messrs. Kater Bros., Mumblebone, near Warren, N.S.W.
25	F 2341	Fleece of stud ewe; 4 years old; pure Wanganella stock; cut 9 lb. of wool in 1892; unhoused, and fed on natural grasses; reared three lambs.	About 12 months' growth.	Haddon Rigg, near Warren, 353 miles W. of Sydney.	Mr. Jas. Richmond, Haddon Rigg, near Warren, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		COMMERCIAL WOOLS—*continued.*			
26	F 1454	Fleece of hogget; station bred; unhoused, and fed on natural grasses.	About 340 days' growth.	Belltrees, Scone, 167 miles W. of Sydney; 680 feet above sea level.	Mr. H. L. White, Belltrees, Scone, N.S.W.
27	F 1454A	Fleece of hogget; station bred; unhoused, and fed on natural grasses.	About 340 days' growth.	Belltrees, Scone, 167 miles W. of Sydney; 680 feet above sea level.	Mr. H. L. White, Belltrees, Scone, N.S.W.
28	F 1455	Fleece of hogget; station bred; unhoused, and fed on natural grasses.	About 340 days' growth.	Belltrees, Scone, 167 miles W. of Sydney; 680 feet above sea level.	Mr. H. L. White, Belltrees, Scone, N.S.W.
29	F 2111	Fleece of ewe; station bred; unhoused, and fed on natural grasses; ordinary flock.	About 12 months' growth.	Brewan, near Walgett, 450 miles N.N.W. of Sydney.	Mr. J. S. Gordon, of Messrs. Mackay Bros., Brewan, near Walgett, N.S.W.
30	F 2112	Fleece of wether; station bred; unhoused, and fed on natural grasses; ordinary flock.	About 12 months' growth.	Brewan, near Walgett, 450 miles N.N.W. of Sydney.	Mr. J. S. Gordon, of Messrs. Mackay Bros., Brewan, near Walgett, N.S.W.
31 32	F 2113 F 2115	Fleece of hogget; station bred; unhoused, and fed on natural grasses; ordinary flock.	About 12 months' growth.	Brewan, near Walgett, 450 miles N.N.W. of Sydney.	Mr. J. S. Gordon, of Messrs. Mackay Bros., Brewan, near Walgett, N.S.W.
33 34	F 2317 F 2318	Fleece of ewe; station bred; 4 years old; unhoused, and fed on natural grasses; progeny of Wanganella sheep; rearing lamb.	About 11 months' growth.	Yarrawin, near Brewarrina, 527 miles N.W. of Sydney, and about 70 miles E. from Bourke.	Messrs. W. & T. C. Dickson, Yarrawin, near Brewarrina, N.S.W.
35	F 2324	Fleece of ewe; station bred; 2 years old; unhoused, and fed on natural grasses; progeny of Wanganella sheep; rearing lamb.	About 11 months' growth.	Yarrawin, near Brewarrina, 527 miles N.W. of Sydney, and abont 70 miles E. from Bourke.	Messrs. W. & T. C. Dickson, Yarrawin, near Brewarrina, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		COMMERCIAL WOOLS—*continued.*			
36	F 1537	Fleece of stud ewe; station bred; unhoused, and fed on natural grasses; Wanganella breed; cut 14 lb. of wool.	About 13½ months' growth.	Gingie, near Walgett, 450 miles N.N.W. of Sydney.	Messrs. Richmond & Scott, Gingie, near Walgett, N.S.W.
37	F 803	Fleece of ewe; station bred; (2-tooth); same breed for which 15¼d. per lb. was given in Australia for many years.	About 365 days' growth.	Kybybolite, via Narracoorte.	Mr. R. Kiddle, Kybybolite, *via* Narracoorte, South Australia.
38	F 1456	Fleece of lamb; station bred; 9 months old; unhoused, and fed on natural grasses.	.....	Belltrees, near Scone, 167 miles N. of Sydney; 680 feet above sea-level.	Mr. H. L. White, Belltrees, near Scone, N.S.W.
39	F 1493	Fleece of black merino wool; station bred; unhoused, and fed on natural grasses.	About 12 months' growth.	Belltrees, near Scone, 167 miles N. of Sydney; 680 feet above sea-level.	Mr. H. L. White, Belltrees, near Scone, N.S.W.
40	F 1495	Fleece of steel-gray merino wool; station bred; unhoused, and fed on natural grasses.	About 12 months' growth.	Belltrees, near Scone, 167 miles N. of Sydney; 680 feet above sea-level.	Mr. H. L. White, Belltrees, near Scone, N.S.W.
		SAMPLES OF FINE MERINO WOOLS FROM STUD SHEEP.			
41	F 2042	Wool of special stud ram, No. "7–52"; station bred, unhoused, and fed on natural grasses; the wool from the Mudgee district has long had both a London and colonial reputation.	About 12 months' growth.	Biraganbil, Mudgee; 190 miles by rail N.W. of Sydney; 1,635 feet above sea-level.	Mr. R. Rouse, Biraganbil, Mudgee, N.S.W.
42	F 2044	Wool of special stud ram, No. "9–76"; station-bred, unhoused, and fed on natural grasses; the wool from the Mudgee district has long had both a London and colonial reputation; weight of fleece, 17 lb. of wool.	About 12 months' growth.	Biraganbil, Mudgee; 190 miles by rail N.W. of Sydney; 1,635 feet above sea-level.	Mr. R. Rouse, Biraganbil, Mudgee, N.S.W.
43	F 2047	Wool of special stud ram, No. "7–2"; station-bred, unhoused, and fed on natural grasses; the wool from the Mudgee district has long had both a London and colonial reputation; weight of fleece, 15 lb. of wool.	About 12 months' growth.	Biraganbil, Mudgee; 190 miles by rail N.W. of Sydney; 1,635 feet above sea-level.	Mr. R. Rouse, Biraganbil, Mudgee, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		SAMPLES OF FINE MERINO WOOLS FROM STUD SHEEP—*continued.*			
44	F 2051	Wool of special stud ewe, No. "9-200"; station-bred, unhoused, and fed on natural grasses; the wool from the Mudgee district has long had both a London and colonial reputation; weight of fleece, 12 lb. 6 oz. of wool.	About 12 months' growth.	Biraganbil, Mudgee; 190 miles by rail N.W. of Sydney; 1,635 feet above sea-level.	Mr. R. Rouse, Biraganbil, Mudgee, N.S.W.
45	F 2052	Wool of special stud ewe, No. "9-200"; station-bred, unhoused, and fed on natural grasses; the wool from the Mudgee district has long had both a London and colonial reputation; weight of fleece, 13 lb. of wool.	About 12 months' growth.	Biraganbil, Mudgee; 190 miles by rail N.W. of Sydney; 1,635 feet above sea-level.	Mr. R. Rouse, Biraganbil, Mudgee, N.S.W.
46	F 2053				
47	F 2099	Wool of flock ram; "Lue breed"; station-bred, unhoused, and fed on natural grasses.	About 12 months' growth.	Lue, Mudgee; 190 miles by rail N.W. of Sydney; 1,635 feet above sea-level.	Mr. V. J. Dowling, Lue, Mudgee, N.S.W.
48	F 2101				
49	F 2103				
50	F 2104	Wool of flock ewe; "Lue breed"; station-bred, unhoused, and fed on natural grasses.	About 12 months' growth.	Lue, Mudgee; 190 miles by rail N.W. of Sydney; 1,635 feet above sea-level.	Mr. V. J. Dowling, Lue, Mudgee, N.S.W.
51	F 2105				
52	F 2107				
53	F 2109				
54	F 2127	Wool of ram; ordinary flock; 1st prize for fine combing lambs' wool at Royal Agricultural Society Show, Sydney, 13th to 19th April, 1892; station-bred, unhoused, and fed on natural grasses.	About 380 days' growth.	Lue, Mudgee; 158 miles W. of Sydney; 1,993 feet above sea-level.	Mr. V. J. Dowling, Lue, Mudgee, N.S.W.
55	F 2128				
56	F 2129				
57	F 2130				
58	F 2131				
59	F 2132				
60	F 1999	Wool of stud ram; "aged"; station-bred, unhoused, and fed on natural grasses; the foundation of the "Loombah" flock; are progeny of pure merino stock of Mr. N. P. Bayly, Havilah; some of the highest class of fine-woolled rams were introduced afterwards.	About 12 months' growth.	Loombah, Molong; 172 miles W.N.W. of Sydney.	Mr. George Bruce, Loombah, Molong, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		SAMPLES OF FINE MERINO WOOLS FROM STUD SHEEP—*continued.*			
61 62	F 2002 2003	Wool of stud ram; "two-tooth"; station-bred, unhoused, and fed on natural grasses; progeny of pure merino stock of Mr. N. P. Bayly, Havilah.	About 12 months' growth.	Loombah, Molong; 172 miles W.N.W. of Sydney.	Mr. George Bruce, Loombah, Molong, N.S.W.
63	F 2004	Wool of stud ewe (full mouthed); station-bred, unhoused, and fed on natural grasses; progeny of pure merino stock of Mr. N. P. Bayly, Havilah.	About 12 months' growth.	Loombah, Molong; 172 miles W.N.W. of Sydney.	Mr. George Bruce, Loombah, Molong, N.S.W.
64	F 2005	Wool of stud ewe (six-tooth); station-bred, unhoused, and fed on natural grasses; progeny of pure merino stock of Mr. N. P. Bayly, Havilah.	About 12 months' growth.	Loombah, Molong; 172 miles W.N.W. of Sydney.	Mr. George Bruce, Loombah, Molong, N.S.W.
65	F 2006	Wool of stud ewe (4-tooth); station-bred, unhoused, and fed on natural grasses; the progeny of pure merino stock of Mr. N. P. Bayly, Havilah.	About 365 days' growth.	Loombah, Molong; 172 miles W.N.W. of Sydney.	Mr. George Bruce, Loombah, Molong, N.S.W.
66	F 2008	Wool of stud ewe (hogget); by stud ram "Bismarck"; station bred, unhoused, and fed on natural grasses.	About 365 days' growth.	Loombah, Molong; 172 miles W.N.W. of Sydney.	Mr. George Bruce, Loombah, Molong, N.S.W.
67	F 1443	Wool of stud hogget ram; station-bred, unhoused, and fed on natural grasses; first prize at Gunnedah show in May, 1891, where £250 was refused for him; cut 14 lb. of wool for 360 days' growth; descended from pure Havilah stock.	.....	Belltrees, near Scone; 167 miles N. of Sydney; 680 feet above sea-level.	Messrs. H. E. A. and V. White, Belltrees, near Scone, N.S.W.
68	F 1444	Wool of stud hogget ram (belly pieces); by stud hogget ram; station-bred, unhoused, and fed on natural grasses; descended from pure Havilah stock.	About 360 days' growth.	Belltrees, near Scone; 167 miles N. of Sydney; 680 feet above sea level.	Messrs. H. E. A. and V. White, Belltrees, near Scone, N.S.W.
69	F 1442	Wool of sale, hogget ram; station-bred, unhoused, and fed on natural grasses; this sheep was shorn as a lamb; descended from pure Havilah stock.	About 360 days' growth.	Belltrees, near Scone; 167 miles N. of Sydney; 680 feet above sea-level.	Messrs. H. E. A. and V. White, Belltrees, near Scone, N.S.W.
70	F 2457	Wool of stud ewe; "rising 4-tooth"; cut 11 lb. of wool for 365 days' growth; housed and fed; bred by Mr. Arthur Gatenby, Lemon Springs, Tasmania.	.....	Lincluden, near Cooma; 257 miles S.S.W. of Sydney; 2,657 feet above sea level.	Mr. W. Harkness, Lincluden, Cooma, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		SAMPLES OF FINE MERINO WOOLS FROM STUD SHEEP—*continued.*			
71	F 2458	Wool of ewe; shown as a lamb, 1st September, 1891; 11 months' growth; cut 10 lb. of wool; housed and fed; bred by Mr. R. Taylor, Valleyfield, Tasmania.	.....	Lincluden, near Cooma; 257 miles S.S.W. of Sydney; 2,657 feet above sea-level.	Mr. W. Harkness, Lincluden, Cooma, N.S.W.
72	F 1580	Wool of ewe; station-bred; unhoused, and fed on natural grasses; very superior combing; formation—basalt, sand, and limestone, partly auriferous.	About 12 months' growth.	Collaroy, near Merriwa; 198 miles N. of Sydney.	Mr. J. E. Maher, of Collaroy Coy., Limited, Merriwa, N.S.W.
73	F 1581	Wool of ewe; station-bred; unhoused, and fed on natural grasses; very superior combing; formation—basalt, sand, and limestone, partly auriferous.	About 12 months' growth.	Collaroy, near Merriwa; 198 miles N. of Sydney.	Mr. J. E. Maher, of Collaroy Coy., Limited, Merriwa, N.S.W.
74	F 1746	Fine combing wool (merino); unhoused and unskirted, and fed on natural grasses; brand, NUBBA; sold at 8¾d. per lb., December 17th, 1891.	.....	Nubba	Nubba Station, Cootamundra, N.S.W.
75	F 699	Wool of stud ram "Tasmanian Tom"; weight of fleece, 21 lbs. 2 oz.; 390 days' growth; bred by Mr. James Gibson, Bellevue, Tasmania; sold for 300 guineas, 1890; the owner was offered 700 guineas two days after purchase.	.....	Goolhi, near Gunnedah, 265 miles N.W. of Sydney; 874 feet above sea-level.	Mr. L. F. Iredale, Goolhi, near Gunnedah, N.S.W.
76	F 2187	Wool of stud ram "Flat Top" (6-tooth), by "Golden Horn 3rd"; bred by Mr. James Gibson, Bellevue, Tasmania; housed and fed.	About 12 months' growth.	.....	Mr. James Gibson, Bellevue, Tasmania.
77	F 2646	Wool of flock ram, station-bred; unhoused, and fed on natural grasses; running in large paddocks.	About 12 months' growth.	Egleston, Macquarie River.	Mr. Charles Headlam, Egleston, Macquarie River, Tasmania.
78	F 2088	Wool of stud ram "No. 1" (6-tooth); station-bred; unhoused, and fed on natural grasses; had 7 inches of rain on him six weeks before shearing; cut 23½ lbs. of wool, 1891.	About 14 months' growth.	Ormley, Tasmania	Mr. S. H. Grueber, Ormley, Tasmania.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		SAMPLES OF FINE MERINO WOOLS FROM STUD SHEEP—*continued.*			
79	F 2461	Wool of special stud ram, "Stockings II," 4 years old; Sire, "Stockings I." by "Ringwood," by son of "Golden Tom," by "Sir Thomas II," by "Old Sir Thomas"; champion prize winner, Northern Agricultural Society, Tasmania; station-bred; housed and fed.	About 14 months' growth.	Woodbourn	Mr. W. Gatenby, Woodburn, Cressy, Tasmania.
80	F 261a	Wool of stud ewe (2-tooth); station-bred; partly housed and fed; from pure St. Johnston stock.	About 12 months' growth.	Chiswick	Mr. G. W. Keach, Chiswick, Tasmania.
81	F 622a				
82	F 2633	Wool of stud ram, (4-tooth); 1st prize at Sydney Royal Sheep Show, 1892; from Tasmanian stock; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.	Tasma, 481 miles S.W. of Sydney.	Mr. M. D. Synnot, Tasma, Deniliquin, N.S.W.
83	F 2486	Wool of stud ewe; very superior combing wool; station-bred.	.....	Oakfield, near Mudgee, 190 miles, by rail, N.W. of Sydney; 1,635 feet above sea-level.	Mr. Alexander A. Cox, Oakfield, Mudgee, N.S.W.
84	F 2600	Wool of stud ewe "No. 282"; sire, "Wonder II"; dam, ewe of "Tom Bob II"; dam, station-bred; unhoused, and fed on natural grasses; cut 11 lbs. of wool.	About 360 days' growth.	Glenmoan	Mr. J. C. Manchee, Glenmoan, Willow Tree, N.S.W.
85	F 2570	Wool of stud ewe, 1 year and 4 months old; sire, "No. 8 Royal Duke"; bred by Messrs. W. Gibson and Son, Scone, Tasmania; unhoused, and fed on natural grasses; station-bred.	.....	Mulwalla, 427 miles S. of Sydney.	Mr. Alex. Sloane, Mulwalla, N.S.W.
86	F 2715	Wool of stud ram	About 12 months' growth.	Hazeldean, 257 miles S.W. of Sydney; 2,657 feet above sea-level.	Mr. Jas. Litchfield, Hazeldean, Cooma, N.S.W.
87	F 2716				
88	F 1582	Wool of ram, from service rams; station bred, pure Warrah blood, descended from Mudgee, Collaroy Currie (Victoria), and St. Johnstone (D. Taylor, Tasmania) rams; unhoused, and fed on natural grasses; country formation—Upper Devonian or lower carboniferous granite, basalt, &c.	About 12 months' growth.	Warrah, Tamworth, 251 miles N. of Sydney.	Mr. J. Gregson, Manager, A.A. Co., Warrah, Tamworth, N.S.W.
89	F 1588				
90	F 1589				
91	F 1590				

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		SAMPLES OF FINE MERINO WOOLS FROM STUD SHEEP—*continued.*			
92 93	F 1595 F 1599	Wool of stud ewe (S.S. stud); station-bred, pure Warrah blood, descended from Mudgee, Collaroy Currie (Victoria), and St. Johnstone (D. Taylor, Tasmania) rams; unhoused, and fed on natural grasses; country formation—Upper Devonian or lower carboniferous granite, basalt, &c.	About 12 months' growth.	Warrah, Tamworth, 251 miles N. of Sydney.	Mr. J. Gregson, Manager A.A. Co., Warrah, Tamworth, N.S.W.
94 95 96 97	F 1607 F 1610 F 1612 F 1617	Wool of stud ewe (2nd stud); station-bred, pure Warrah blood, descended from Mudgee, Collaroy Currie (Victoria), and St. Johnstone (D. Taylor, Tasmania) rams; unhoused, and fed on natural grasses; country formation—Upper Devonian or lower carboniferous granite, basalt, &c.	About 12 months' growth.	Warrah, Tamworth, 251 miles N. of Sydney.	Mr. J. Gregson, Manager, A.A. Co., Warrah, Tamworth, N.S.W.
98 99 100	F 1620 F 1621 F 1622	Wool of stud ewe (3rd stud); station-bred, pure Warrah blood, descended from Mudgee, Collaroy Currie (Victoria), and St. Johnstone (D. Taylor, Tasmania) rams; unhoused, and fed on natural grasses; country formation—Upper Devonian or lower carboniferous granite, basalt, &c.	About 12 months' growth.	Warrah, Tamworth, 251 miles N. of Sydney.	Mr. J. Gregson, Manager, A.A. Co., Warrah, Tamworth, N.S.W.
101 102 103	F 1687 F 1688 F 1689	Wool of stud ewe hogget (2nd stud); station-bred; pure Warrah blood, descended from Mudgee, Collaroy Currie (Victoria), and St. Johnstone (D. Taylor, Tasmania) rams; unhoused, and fed on natural grasses; country formation—Upper Devonian or lower carboniferous granite, basalt, &c.	About 12 months' growth.	Warrah, Tamworth, 251 miles N. of Sydney.	Mr. J. Gregson, Manager A.A. Co., Warrah, Tamworth, N.S.W.
104 105 106	F 1479 F 1479 F 1479	Wool of aged ram; station-bred, unhoused, and fed on natural grasses; progeny of pure Silesian stock.	About 12 months' growth.	Rawden, Rylstone; 158 miles W. of Sydney, 1,993 feet above sea-level.	Bred and presented by Messrs. Cox Bros., Rawdon, Rylstone, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		SAMPLES OF FINE MERINO WOOLS FROM STUD SHEEP—*continued.*			
107	F 1480	Wool of young ram; station-bred, unhoused, and fed on natural grasses; ordinary flock; progeny of pure Silesian stock.	About 12 months' growth.	Rawden, Rylstone; 158 miles W. of Sydney, 1,993 feet above sea-level.	Bred and presented by Messrs. Cox Bros., Rawdon, Rylstone, N.S.W.
108	F 1482	Wool of ram (2-tooth); station-bred, unhoused, and fed on natural grasses; ordinary flock; progeny of pure Silesian stock.	About 12 months' growth.	Rawden, Rylstone; 158 miles W. of Sydney, 1,993 feet above sea-level.	Bred and presented by Messrs. Cox Bros., Rawdon, Rylstone, N.S.W.
109	F 1484	Wool of stud ewe; station-bred, unhoused, and fed on natural grasses; progeny of Silesian stock; weight of fleece, 14 lb. of wool.	About 12 months' growth.	Rawden, Rylstone; 158 miles W. of Sydney, 1,993 ft. above sea-level.	Bred and presented by Messrs. Cox Bros., Rawdon, Rylstone, N.S.W.
110	F 1486	Wool of young ewes; station-bred, unhoused, and fed on natural grasses; progeny of pure Silesian stock.	About 12 months' growth.	Rawden, Rylstone; 158 miles W. of Sydney, 1,993 ft. above sea-level.	Bred and presented by Messrs. Cox Bros., Rawdon, Rylstone, N.S.W.
111	F 1486				
112	F 975...	Wool of stud ram, "No. 9" (6-tooth); unhoused, and fed on natural grasses; clip of 1891.	.....	Mulwala; 427 miles S. of Sydney.	Mr. Alex. Sloane, Mulwala, N.S.W.
113	F 625...	Wool of ewe (4-tooth); fine combing wool; clip, 1889; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.	Mulwala, 427 miles S. of Sydney.	Mr. Alex. Sloane, Mulwala, N.S.W.
114	F 631...	Wool of ewe (2-tooth); fine combing wool; clip, 1889; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.	Mulwala, 427 miles S. of Sydney.	Mr. Alex. Sloane, Mulwala, N.S.W.
115	F 1426	Wool of aged stud ram, "Old John Hay"; very aged; unhoused, and fed on natural grasses; clip, 1891.	About 12 months' growth.	Boorooma, near Brewarrina, 527 miles N.W. of Sydney.	Mr. J. Simpson, of Messrs. Mein Bros., Boorooma, Brewarrina, N.S.W.
116	F 2397	Wool of breeding ewe; station-bred; unhoused and fed on natural grasses; clip, 1892.	About 12 months' growth.	Boorooma, near Brewarrina, 527 miles N.W. of Sydney.	Mr. J. Simpson, of Messrs. Mein Bros., Boorooma, Brewarrina, N.S.W.
117	F 2398				
118	F 2399				
119	F 2404				
120	F 2405				
121	F 2406				
122	F 2407				

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		SAMPLES OF FINE MERINO WOOLS FROM STUD SHEEP—*continued.*			
123	F 663...	Wool of young ram; 1st grade; station-bred, from Australian sire and dams; unhoused, and fed on natural grasses.	About 12 months' growth.	West Berthong, 253 miles S. of Sydney; 1,079 ft. above sea-level.	Messrs. J. Gibb & Son, West Berthong, Wallendbeen, Cootamundra, N.S.W.
124	F 667...	Wool of young ram; 1st grade; station-bred, from Australian sire and dams; unhoused, and fed on natural grasses.	About 12 months' growth.	West Berthong, 253 miles S. of Sydney; 1,079 feet above sea-level.	Messrs. J. Gibb & Son, West Berthong, Wallendbeen, Cootamundra, N.S.W.
125	F 2326	Wool of ewe (7 years old) station-bred, unhoused, fed on natural grasses; Wanganella blood; rearing lamb.	About 11 months' growth.	Yarrawin, Brewarrina, 527 miles N. of Sydney.	Messrs. W. & T. C. Dickson, Yarrawin, Brewarrina, N.S.W.
126	F 2327	Wool of ewe (6 years old) station-bred, unhoused, and fed on natural grasses; Wanganella blood; rearing lamb.	About 11 months' growth.	Yarrawin, Brewarrina, 527 miles N. of Sydney.	Messrs. W. & T. C. Dickson, Yarrawin, Brewarrina, N.S.W.
127	F 2328				
128	F 2332	Wool of ewe (4 years old) station-bred, unhoused, and fed on natural grasses; Wanganella blood; rearing lamb.	About 11 months' growth.	Yarrawin, Brewarrina, 527 miles N. of Sydney.	Messrs. W. & T. C. Dickson, Yarrawin, Brewarrina, N.S.W.
129	F 2333				
130	F 2334				
131	F 2336	Wool of ewe (2 years old) station-bred, unhoused, and fed on natural grasses; Wanganella blood; rearing lamb.	About 11 months' growth.	Yarrawin, Brewarrina, 527 miles N. of Sydney.	Messrs. W. & T. C. Dickson, Yarrawin, Brewarrina, N.S.W.
132	F 2026	Wool of stud ram (8 tooth); by Tasmanian ram, out of station-bred ewe; unhoused, and fed on natural grasses; 1st and Champion prizes, Wentworth Show, 1891; weight of fleece, 15 lb. 2oz.	About 12 months' growth.	Avoca, Wentworth, 500 miles W. of Sydney.	Messrs. Cudmore, Bros., Avoca, Wentworth, N.S.W.
133	F 2029	Wool of stud ewe (8 tooth); by Tasmanian ram, out of station-bred ewe; unhoused, and fed on natural grasses; 2nd prize, Wentworth Show, 1891; weight of fleece, 14 lb. 1½oz.	About 12 months' growth.	Avoca, Wentworth, 500 miles W. of Sydney.	Messrs. Cudmore, Bros., Avoca, Wentworth, N.S.W.
134	F 1784	Wool of ram (6 tooth); Boonooke bred; ordinary flock, unhoused, and fed on natural grasses.	About 10 months' growth.	Boonooke	Messrs. Vickery & Son, Mungyer, via Narrabri, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		SAMPLES OF FINE MERINO WOOLS FROM STUD SHEEP—*continued.*			
135	F 1536	Wool of special stud ram; Wanganella blood, extensively used at stud; unhoused, and fed on natural grasses.	About 12 months' growth.	Gingie	Messrs. Richmond & Scott, Gingie, Walgett, N.S.W.
136	F 2439	Wool of stud ram, "13 J;" sire, imported Silesian ram "Bismarck, No. 203," bred by Otto Stergher; dam, a Broombie ewe, "No. 3 J," bred by executors of late J. G. Webb; cut 14 lb. 8 oz at 2 years old.	About 12 months' growth.	.....	Executors J. G. Webb, Springfield, Byng, near Orange, N.S.W.
137	F 2344	Wool of stud ewe (7 years old); station-bred; from pure Waganella stock; unhoused, and fed on natural grasses.	About 12 months' growth.	Haddon Rigg	Bred and presented by Mr. Jas. Richmond, Haddon Rigg, Warren, N.S.W.
138	F 2348	Wool of stud ewe (4 years old); station-bred; from pure Waganella stock; unhoused, and fed on natural grasses.	About 12 months' growth.	Haddon Rigg	Bred and presented by Mr. Jas. Richmond, Haddon Rigg, Warren, N.S.W.
139	F 2354	Wool of stud ewe (2 years old); station-bred; from pure Waganella stock; unhoused, and fed on natural grasses.	About 12 months' growth.	Haddon Rigg	Bred and presented by Mr. Jas. Richmond, Haddon Rigg, Warren, N.S.W.
140	F 2456	Wool of stud ram (2 years old); grass-fed; cut 20 lb. of wool; 365 days' growth; purchased for 70 guineas at Sydney sales, 1892; strong combing.	.....	Bred by Collaroy Coy., Ltd., Merriwa.	Presented by Mr. W. Harkness, Lincluden, Cooma, N.S.W.
141	F 2358	Wool of stud ram (2 years old); station-bred; housed at nights in winter only; weight of fleece, 15 lb. of wool; brand, "Fisher over Ellangowan over Darling Downs."	About 12 months' growth.	.....	Bred and presented by Mr. Briggs, manager for Mr. C. B. Fisher, Ellangowan, Cambooya, Queensland.
142	F 2414	Wool of stud ram "Trimmph," Australian and American; 2 years and 1 month old; from Barooga stud flock (Australian Vermont Crosses); champion prize ram in his class at both Sydney and Melbourne; also grand champion at Melbourne, 1892; fed on oats and chaff; cut 25 lb. of wool; 382 days' growth.	....	Bred at Barooga *via* Jerilderie; 412 miles S.W. of Sydney.	Mr. R. Rouse, junr., Biraganbil, Mudgee, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by.
		VICTORIAN WOOLS.			
143	F 2312	Wool of stud ram, No. 1 (Australian Vermont breed); 1st prize combing, Wagga Wagga, 1892; unhoused, and fed on natural grasses.	About 12 months' growth.	Bred at Coonong	Mr. Jos. Mack, Berry Bank, Victoria.
144	F 2313	Wool of stud ram, No. 2 (Australian Vermont breed): 1st prize combing, Wagga Wagga, 1892; unhoused, and fed on natural grasses.	About 12 months' growth.	Bred at Coonong	Mr. Jos. Mack, Berry Bank, Victoria.
145	F 2314	Wool of stud ram, No. 3 (Australian Vermont breed); 1st prize combing, Wagga Wagga, 1892; unhoused, and fed on natural grasses.	About 12 months' growth.	Bred at Coonong	Mr. Jos. Mack, Berry Bank, Victoria.
146	F 733	Wool of stud ram (4-tooth) No. 638; bred from Sloneleigh sheep; 2nd prize at Ballarat Show, 1890; unhoused and fed on natural grasses; cut 12 lb. of wool.	About 12 months' growth.	Beaufort	Messrs. Beggs Bros., Eurambeen, Victoria.
147	F 734	Wool of stud ram (4-tooth) No. 639; bred from Sloneleigh sheep; 3rd prize at Sheepbreeder's Association Show, Melbourne, 1890; unhoused, and fed on natural grasses; cut 15 lb. of wool.	About 12 months' growth.	Beaufort	Messrs. Beggs Bros., Eurambeen, Victoria.
148	F 734A	Wool of aged ram (6-tooth) bred from Sloneleigh sheep; 5th prize at Sheepbreeder's Aseociation Show, Melbourne, 1890; unhoused, and fed on natural grasses; cut 13 lb. of wool.	About 12 months' growth.	Beaufort	Messrs. Beggs Bros., Eurambeen, Victoria.
149	F 88	Wool of stud ram (four samples); winner of grand champion prize, Melbourne Exhibition, 1888, for fine combing merino.	About 12 months' growth.	Jellalabad, W. Victoria	Bred and presented by Messrs. T. Dowling & Son, Jellalabad, Victoria.
150	F 90				
151	F 91				
152	F 92				
153	F 111	Wool of stud ram; competed at Melbourne Exhibition, 1888.	.....	Bred at Carngham	Bred and presented by the late Hon. P. Russell, Carngham, Victoria.

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Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		VICTORIAN WOOLS—*continued.*			
154	F 112	Wool of stud ram; competed at Melbourne Exhibition, 1888.	.....	Bred at Carngham	Bred and presented by the late Hon. P. Russell, Carngham, Victoria.
155	F 115	Wool of stud ram; competed at Melbourne Exhibition, 1888.	.....	Bred at Carngham	Bred and presented by the late Hon. P. Russell, Carngham, Victoria.
156	F 2032	Wool of flock ram; station-bred; unhoused, and fed on natural grasses; ordinary flock.	About 12 months' growth.	Bred at Trawalla	Capt. W. R. Bridges, R.N., Trawalla, Victoria.
157	F 2033	Wool of aged ewe; station-bred; unhoused, and fed on natural grasses; ordinary flock.	About 12 months' growth.	Bred at Trawalla	Capt. W. R. Bridges, R.N., Trawalla, Victoria.
158	F 2034	Wool of stud ewe (2-tooth); station-bred; unhoused, and fed on natural grasses; ordinary flock.	About 12 months' growth.	Bred at Trawalla	Capt. W. R. Bridges, R.N., Trawalla, Victoria.
159	F 2035	Wool of flock ewe; station-bred; unhoused, and fed on natural grasses; ordinary flock.	About 12 months' growth.	Bred at Trawalla	Capt. W. R. Bridges, R.N., Trawalla, Victoria.
160	F 2036	Wool of flock ewe (2-tooth); station-bred; unhoused, and fed on natural grasses; ordinary flock.	About 12 months' growth.	Bred at Trawalla	Capt. W. R. Bridges, R.N., Trawalla, Victoria.
161	F 2038	Wool of wether (2-tooth); station-bred; unhoused, and fed on natural grasses; ordinary flock.	About 12 months' growth.	Bred at Trawalla	Capt. W. R. Bridges, R.N., Trawalla, Victoria.
162	F 2039	Lamb's wool (flock); station-bred; unhoused, and fed on natural grasses; ordinary flock.	About 12 months' growth.	Bred at Trawalla	Capt. W. R. Bridges, R.N., Trawalla, Victoria.
163	F 2446	Wool of ewe (6-tooth); the stud sires, in which there is a large infusion of Tasmanian blood, were bred by Messrs. W. Gibson & Son, Scone, and Mr. George Parramore, of Wetmore; dams, descended from Ercildoune 1st stud ewes; unhoused, and fed on natural grasses.	About 12 months' growth.	Bred at Woodhouse.....	Executors of late Mr. S. Richie, Woodhouse, Penshurst, Victoria.
164	F 2447	Wool of ewe (6-tooth); the stud sires, in which there is a large infusion of Tasmanian blood, were bred by Messrs. W. Gibson & Son, Scone, and Mr. George Parramore, of Wetmore; dams, descended from Ercildoune 1st stud ewes; unhoused, and fed on natural grasses.	About 12 months' growth.	Bred at Woodhouse.....	Executors of late Mr. S. Richie, Woodhouse, Penshurst, Victoria.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Description.	Where Grown.	Presented by
		VICTORIAN WOOLS—*continued.*			
165	F 2448	Wool of ewe (4-tooth); the stud sires, in which there is a large infusion of Tasmanian blood, were bred by Messrs. W. Gibson & Son, Scone, and Mr. George Parramore, of Wetmore; dams, descended from Ercildoune 1st stud ewes; unhoused, and fed on natural grasses.	About 12 months' growth.	Bred at Woodhouse.....	Executors of late Mr. S. Richie, Woodhouse, Penshurst, Victoria.
166	F 2449	Wool of ewe (4-tooth); the stud sires, in which there is a large infusion of Tasmanian blood, were bred by Messrs. W. Gibson & Son, Scone, and Mr. George Parramore, of Wetmore; dams, descended from Ercildoune 1st stud ewes; unhoused, and fed on natural grasses.	About 12 months' growth.	Bred at Woodhouse.....	Executors of late Mr. S. Richie, Woodhouse, Penshurst. Victoria.
167	F 2450	Wool of ewe (2-tooth); the stud sires, in which there is a large infusion of Tasmanian blood, were bred by Messrs. W. Gibson & Son, Scone, and Mr. George Parramore, of Wetmore; dams, descended from Ercildoune 1st stud ewes; unhoused, and fed on natural grasses.	About 12 months' growth.	Bred at Woodhouse.....	Executors of late Mr. S. Richie, Woodhouse, Penshurst, Victoria.
168	F 2451	Wool of ewe (2-tooth); the stud sires, in which there is a large infusion of Tasmanian blood, were bred by Messrs. W. Gibson & Son, Scone, and Mr. George Parramore, of Wetmore; dams, descended from Ercildoune 1st stud ewes; unhoused, and fed on natural grasses.	About 12 months' growth.	Bred at Woodhouse.....	Executors of late Mr. S. Richie, Woodhouse, Penshurst, Victoria.
		Classification of Wools as prepared on most Sheep-stations in the Australian Colonies.			
169	F 2122	Wool of ewe; fine combing; 1st prize Royal Agricultural Society, Sydney, 13th April, 1892; unhoused, and fed on natural grasses.	About 12 months' growth.	Frankfield	Bred and presented by Mr. E. B. Hume, Frankfield, Gunning, N.S.W.
170	F 2123	Wool of ewe; fine combing; 1st prize Royal Agricultural Society, Sydney, 13th April, 1892; unhoused, and fed on natural grasses.	About 12 months' growth.	Frankfield	Bred and presented by Mr. E. B. Hume, Frankfield, Gunning, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		Classification of Wools as prepared on most Sheep-stations in the Australian Colonies—*continued.*			
171 172	F 2124 F 2125	Wool of ewe; superior combing; 1st prize Royal Agricultural Society Show, Sydney, 13th April, 1892; unhoused, and fed on natural grasses.	About 372 days' growth.	Frankfield	Bred and presented by Mr. E. B. Hume, Frankfield, Gunning, N.S.W.
173	F 2137	Wool of ewe; superior combing; non-competitive; Royal Agricultural Society Show, Sydney, 13th April, 1892; from Mudgee flock; unhoused, and fed on natural grasses.	About 370 days' growth.	Woolooworre, near Gunning, 165 miles S.W. of Sydney, 1,893 feet above sea-level.	Bred and presented by Mr. E. H. Turner, Woolooworre, Gunning, N.S.W.
174	F 2138	Wool of ewe; superior combing; non-competitive; Royal Agricultural Society Show, Sydney, 13th April, 1892; from Mudgee flock; unhoused, and fed on natural grasses.	About 370 days' growth.	Woolooworre, near Gunning, 165 miles S.W. of Sydney, 1,893 feet above sea-level.	Bred and presented by Mr. E. H. Turner, Woolooworre, Gunning, N.S.W.
175	F 2104	Wool of ewe; fine combing; station-bred; Lue breed; unhoused, and fed on natural grasses.	About 12 months' growth.	Lue	Bred and presented by Mr. V. J. Dowling, Lue, Mudgee, N.S.W.
176	F 2105	Wool of ewe; fine combing; station-bred; Lue breed; unhoused, and fed on natural grasses.	About 12 months' growth.	Lue	Bred and presented by Mr. V. J. Dowling, Lue, Mudgee, N.S.W.
177	F 2109	Wool of ewe; fine combing; station-bred; Lue breed; unhoused, and fed on natural grasses.	About 12 months' growth.	Lue	Bred and presented by Mr. V. J. Dowling, Lue, Mudgee, N.S.W.
178	F 1485	Wool of ewe; station-bred; fine combing; progeny of Silesian stock; unhoused, and fed on natural grasses.	About 12 months' growth.	Rawden, near Rylstone..	Bred and presented by Messrs. Cox Brothers, Rawden, Rylstone, N.S.W.
179	F 1485	Wool of ewe; station-bred; fine combing; progeny of Silesian stock; unhoused, and fed on natural grasses.	About 12 months' growth.	Rawden, near Rylstone..	Bred and presented by Messrs. Cox Brothers, Rawden, Rylstone, N.S.W.
180	F 1486	Wool of young ewe; station-bred; fine combing; progeny of Silesian stock; unhoused, and fed on natural grasses.	About 12 months' growth.	Rawden, near Rylstone..	Bred and presented by Messrs. Cox Brothers, Rawden, Rylstone, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		Classification of Wools as prepared on most Sheep-stations in the Australian Colonies—*continued.*			
181	F 1491	Wool of wether; station-bred; fine combing; progeny of Silesian stock; unhoused, and fed on natural grasses.	About 12 months' growth.	Rawden, near Rylstone..	Bred and presented by Messrs. Cox Brothers, Rawden, Rylstone, N.S.W.
182	F 1491	Wool of wether; station-bred; fine combing; progeny of Silesian stock; unhoused, and fed on natural grasses.	About 12 months' growth.	Rawden, near Rylstone..	Bred and presented by Messrs. Cox Brothers, Rawden, Rylstone, N.S.W.
183	F 1491	Wool of ewe hogget; station-bred; fine combing; progeny of Silesian stock; unhoused, and fed on natural grasses.	About 12 months' growth.	Rawden, near Rylstone..	Bred and presented by Messrs. Cox Brothers, Rawden, Rylstone, N.S.W.
184	F 1736	Wool of hoggets; fine combing brand, Tarengo over H. Sold, 10½d. per lb., December 10th, 1891.	About 12 months' growth.	Burrowa	Bred and presented by Mr. F. W. Hume, Tarengo, Burrowa, N.S.W.
185	F 1772	Wool of ewe hogget; fine combing; station-bred; unhoused, and fed on natural grasses. Brand, Tarengo over H.	About 11 months' growth.	Burrowa	Bred and presented by Mr. F. W. Hume, Tarengo, Burrowa. N.S.W.
186	F 1773	Wool of ewe hogget; fine combing; station-bred; unhoused, and fed on natural grasses. Brand, Tarengo over H.	About 11 months' growth.	Burrowa	Bred and presented by Mr. F. W. Hume, Tarengo, Burrowa, N.S.W.
187	F 1776	Wool of ewe hogget; fine combing; station-bred; unhoused, and fed on natural grasses. Brand, Tarengo over H.	About 11 months' growth.	Burrowa	Bred and presented by Mr. F. W. Hume, Tarengo, Burrowa, N.S.W.
188	F 1778	Wool of ewe hogget; fine combing; station-bred; unhoused, and fed on natural grasses. Brand, Tarengo over H.	About 11 months' growth.	Burrowa	Bred and presented by Mr. F. W. Hume, Tarengo, Burrowa, N.S.W.
189	F 1742	Wool of hogget; superior combing; station-bred; unhoused, and fed on natural grasses. Sold, 11½d. per lb., December 17th, 1891.	About 12 months' growth.	New England district N.S.W., N.E. part of the Colony, 3,000 feet above sea-level.	

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		Classification of Wools as prepared on most Sheep-stations in the Australian Colonies—*continued.*			
190	F 1473	Wool of wether hogget; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.	Llanillo	Mr. R. W. Chase, Llanillo, Walgett.
191	F 1741	Wool of hogget; fine combing; station-bred; unhoused, and fed on natural grasses. Brand, Frankfield over F D. Sold at 11¼d. per lb., November 26th, 1891.	About 12 months' growth.	Young district, 249 miles S.W. of Sydney, 1,416 feet above sea-level.	Mr. Hume, Frankfield, Burrowa.
192	F 1889	Wool of ewe; fine combing; station-bred; unhoused, and fed on natural grasses. Brand, W.P.F.	About 12 months' growth.	.....	
193	F 1891	Wool of ewe; fine combing; station-bred; unhoused, and fed on natural grasses. Brand, W.P.F.	About 12 months' growth.	....	
194	F 1750	Wool of ewe; fine combing; station-bred; unhoused, and fed on natural grasses. Brand, AGK over Meadows. Sold, 9d. per lb., December 10th, 1891.	.....	Meadows, Cootamundra	Mr. A. G. Keith, Meadows, Cootamundra, N.S.W.
195	F 1664	Wool of wether; fine combing; station-bred; ordinary flock; pure Warrah blood; unhoused, and fed on natural grasses.	About 12 months' growth.	Warrah	Bred and presented by Mr. J. Gregson, Manager, A. A. Co., Warrah, Murrurundi, N.S.W.
196	F 1667	Wool of wether; fine combing; station-bred; ordinary flock; pure Warrah blood; unhoused, and fed on natural grasses.	About 12 months' growth.	Warrah	Bred and presented by Mr. J. Gregson, Manager, A. A. Co., Warrah, Murrurundi, N.S.W.
197	F 1678	Wool of wether; fine combing; station-bred; ordinary flock; pure Warrah blood; unhoused, and fed on natural grasses.	About 12 months' growth.	Warrah	Bred and presented by Mr. J. Gregson, Manager, A. A. Co., Warrah, Murrurundi, N.S.W.
198	F 1705	Wool of wether hogget; fine combing; station-bred; ordinary flock; pure Warrah stock; unhoused, and fed on natural grasses; shorn as lamb's.	About 12 months' growth.	Warrah	Bred and presented by Mr. J. Gregson, Manager, A. A. Co., Warrah, Murrurundi, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		Classification of Wools as prepared on most Sheep-stations in the Australian Colonies—*continued.*			
199	F 1706	Wool of wether hogget; fine combing; station-bred; ordinary flock; pure Warrah stock; unhoused, and fed on natural grasses; shorn as lamb's.	About 12 months' growth.	Warrah	Bred and presented by Mr. J. Gregson, Manager, A. A. Co., Warrah, Murrurundi, N.S.W.
200	F 1893	Wool of ewe; fine combing; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.	New England District.	
201	F 730	Wool of ewe (2 tooth); medium combing; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.	Erambie, 172 miles W.N.W. of Sydney.	Bred and presented by Mr. G. H. Hebden, Erambie, Molong, N.S.W.
202	F 730	Wool of ewe (2-tooth); medium combing; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.	Erambie, 172 miles W.N.W. of Sydney.	Bred and presented by Mr. G. H. Hebden, Erambie, Molong, N.S.W.
203	F 730	Wool of ewe (2-tooth); medium combing; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.	Erambie, 172 miles W.N.W. of Sydney.	Bred and presented by Mr. G. H. Hebden, Erambie, Molong, N.S.W.
204	F 730	Wool of ewe (2-tooth); medium combing; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.	Erambie, 172 miles W.N.W. of Sydney.	Bred and presented by Mr. G. H. Hebden, Erambie, Molong, N.S.W.
205	F 730	Wool of ewe (2-tooth); medium combing; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.	Erambie, 172 miles W.N.W. of Sydney.	Bred and presented by Mr. G. H. Hebden, Erambie, Molong, N.S,W.
206	F 1848	Wool of ewe; medium combing; unhoused, and fed on natural grasses. Brand, Willeroo. Sold, 8¾d. per lb., Jan., 7, 1892.	About 12 months' growth.	.....	
207	F 1543	Wool of ewe; (2-tooth); station-bred, unhoused, and fed on natural grasses. Weight of fleece, 15 lb. 8 oz; medium combing.	15 months' growth	.....	
208 209	F 805 F 805	Ewe's wool; sheep bred originally from Brombec ewes and Tasmanian rams. Brand, M in diamond, Wallabadah; medium combing.	About 12 months' growth.	Wallabadah	Mr. J. W. L. Macdonald, Wallabadah, Quirindi, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		Classification of Wools as prepared on most Sheep-stations in the Australian Colonies—*continued.*			
210	F 1657	Wool of ewe; (2 years old); pure Warrah blood; station-bred, unhoused, and fed on natural grasses; medium combing.	About 12 months' growth.	Warrah	Mr. J. Gregson, Manager for A. A. Co., Warrah, Murrurundi, N.S.W.
211	F 1658				
212	F 1701	Wool of flock-ewe hogget; pure Warrah blood; station-bred, unhoused, and fed on natural grasses. Shorn as lamb; medium combing.	About 12 months' growth.	Warrah	Mr. J. Gregson, Manager for A. A. Co., Warrah, Murrurundi, N.S.W.
213	F 1700	Wool of flock-ewe hogget; pure Warrah blood; station-bred, unhoused, and fed on natural grasses. Shorn as lamb; medium combing.	About 12 months' growth.	Warrah	Mr. J. Gregson, Manager for A. A. Co., Warrah, Murrurundi, N.S.W.
214	F 1712	Wool of wether hogget, flock; pure Warrah blood; station-bred, unhoused, and fed on natural grasses. Shorn as lamb; medium combing.	About 12 months' growth.	Warrah	Mr. J. Gregson, Manager for A. A. Co., Warrah, Murrurundi, N.S.W.
215	F 1699	Wool of flock-ewe hogget; pure Warrah blood; station-bred, unhoused, and fed on natural grasses. Shorn as lamb; medium combing.	About 12 months' growth.	Warrah	Mr. J. Gregson, Manager for A. A. Co., Warrah, Murrurundi, N.S.W.
216	F 1750	Superior combing wool; unclassed and unskirted. Brand, A G with a cross over Meadows.	About 12 months' growth.	.....	
218	F 1442	Hogget's wool; combing; cut 14 lb; medium combing.	360 days' growth	.....	Mr. H. L. White, Belltrees, Scone, N.S.W.
219	F 1454	Hogget's wool; combing; cut 14 lb; medium combing.	340 days' growth	.....	Mr. H. L. White, Belltrees, Scone, N.S.W.
220	F 1522	Wool of ewe; (2 years old); from pure Wanganella blood; station-bred, unhoused, and fed on natural grasses; strong combing.	About 12 months' growth.	Haddon Rigg	Mr. James Richmond, Haddon Rigg, Warren, N.S.W.
221	F 1573	Wool of ewe hogget; from pure Wanganella blood; station-bred, unhoused, and fed on natural grasses. Not shorn as lamb's; strong combing.	About 12 months' growth.	Haddon Rigg	Mr. James Richmond, Haddon Rigg, Warren, N.S.W.
222	F 1524	Wool of ewe hogget; from pure Wanganella blood; station-bred, unhoused, and fed on natural grasses; not shown as lamb's; strong combing.	About 12 months' growth.	Haddon Rigg	Mr. James Richmond, Haddon Rigg, Warren, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		Classification of Wools as prepared on most Sheep-stations in the Australian Colonies—*continued.*			
223	F 1526	Wool of ewe hogget; from pure Wanganella blood; station-bred, unhoused, and fed on natural grasses. Shorn as lamb's; strong combing.	About 12 months' growth.	Haddon Rigg	Mr. James Richmond, Haddon Rigg, Warren, N.S.W.
224	F 1960	Ewe's wool; combing; station-bred, unhoused, and fed on natural grasses; strong combing.	About 12 months' growth.	Euroka	Mr. L. Leeke, Euroka, Walgett, N.S.W.
225	F 1963	Ewe's wool; combing; station-bred, unhoused, and fed on natural grasses; strong combing.	Abont 12 months' growth.	Euroka	Mr. L. Leeke, Euroka, Walgett, N.S.W.
226	F 2329	Ewe's wool; (5 years old); from Wanganella blood; station-bred, unhoused, and fed on natural grasses; strong combing.	About 12 months' growth.	.....	Messrs. W. & T. C. Dickson, Yarrawin, Brewarrina, N.S.W.
227	F 2329	Ewe's wool; (2 years old); from Wanganella blood; station-bred, unhoused, and fed on natural grasses; rearing lamb; strong combing.	About 11 months' growth.	.....	Messrs. W. & T. C. Dickson, Yarrawin, Brewarrina, N.S.W.
228	F 2340	Ewe's wool; (2 years old); from Wanganella blood; station-bred, unhoused, and fed on natural grasses; rearing lamb; strong combing.	About 11 months' growth.	.....	Messrs. W. & T. C. Dickson, Yarrawin, Brewarrina, N.S.W.
230	F 1970	Hogget's wool; station-bred, unhoused, and fed on natural grasses; strong combing.	About 12 months' growth.	.....	Mr. L. Lecke, Euroka, Walgett, N.S.W.
231	F 1971	Hogget's wool; station-bred, unhoused, and fed on natural grasses; strong combing.	About 12 months' growth.	.....	Mr. L. Leeke, Euroka, Walgett, N.S.W.
232	F 1972	Hogget's wool; station-bred, unhoused, and fed on natural grasses; strong combing.	About 12 months' growth.	.....	Mr. L. Leeke, Euroka, Walgett, N.S.W.
232A	F 1973	Hogget's wool; station-bred, unhoused, and fed on natural grasses; strong combing.	About 12 months' growth.	.....	Mr. L. Lecke, Euroka, Walgett, N.S.W.
233	F 1974	Hogget's wool; station-bred, unhoused, and fed on natural grasses; strong combing.	About 12 months' growth.	.....	Mr. L. Leeke, Euroka, Walgett, N.S.W.
234	F 1975	Hogget's wool; station-bred, unhoused, and fed on natural grasses; strong combing.	About 12 months' growth.	.....	Mr. L. Lecke, Euroka, Walgett, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		Classification of Wools as prepared on most Sheep-stations in the Australian Colonies—*continued.*			
235	F 1961	Ewe's wool; station-bred, unhoused, and feed on natural grasses; strong combing.	About 12 months' growth.	.....	Mr. L. Leeke, Euroka, Walgett, N.S.W.
236	F 1521	Ewe's wool; (2 years old); combing; Wanganella blood; station-bred; unhoused and fed on natural grasses; strong combing.	About 12 months' growth.	.....	Mr. Jas. Richmond, Haddon Rigg, Warren, N.S.W.
237	F 1524	Ewe's wool; (2 years old); combing; Wanganella blood; station-bred; unhoused and fed on natural grasses; strong combing.	About 12 months' growth.	.....	Mr. Jas. Richmond, Haddon Rigg, Warren, N.S.W.
238	F 1538	Ewe's wool; combing; Wanganella blood; station-bred; unhoused, and fed on natural grasses; ttrong combing.	About 12 months' growth.	.....	Messrs. Richmond & Scott, Gingie, Warren, N.S.W.
239	F 1539	Hogget's wool; combing; Wanganella blood; station-bred; unhoused, and fed on natural grasses; strong combing.	About 12 months' growth.	.....	Messrs. Richmond & Scott, Gingie, Warren, N.S.W.
240	F 1541	Hogget's wool; combing; Wanganella blood; station-bred; unhoused, and fed on natural grasses; strong combing.	About 12 months' growth.	.....	Messrs. Richmond & Scott, Gingie, Warren, N.S.W.
241	F 1542	Hogget's wool; combing; Wanganella blood; station-bred; unhoused, and fed on natural grasses; strong combing.	About 12 months' growth.	.....	Messrs. Richmond & Scott, Gingie, Warren, N.S.W.
242	F 657	Australian, American, Merino Cross. Ewe's wool; combing; (two tooth); quarter-bred; Vermont and Australian breed.	About 12 months' growth.	.....	Messrs. T. Brown & Co., Tuppal, Deniliquin, N.S.W.
243	F 656A	Ewe's wool; (two tooth); britch; quarter-bred; Vermont and Australian breed; strong combing.	About 12 months' growth.	.....	Messrs. T. Brown & Co., Tuppal, Deniliquin, N.S.W.
244	F 660	Ewe's wool; (full mouthed); half-bred; Vermont and Australian breed; strong combing.	About 12 months' growth.	.....	Messrs. T. Brown & Co., Tuppal, Deniliquin, N.S.W.
245	F 658	Ewe's wool; (four-tooth); half-bred; Vermont and Australian breed; strong combing.	About 12 months' growth.	.....	Messrs. T. Brown & Co., Tuppal, Deniliquin, N.S.W.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Cat. Nos.	Museum Catalogue Nos.	Description.	Growth.	Where Grown.	Presented by
		SUPERIOR CLOTHING WOOLS.			
		Sheep and Wool Department, Technological Museum.			
246	F 2719	Superior clothing wool	About 12 months' growth.		
247	F 2720	Superior clothing wool	About 12 months' growth.		
248	F 2721	Fine clothing wool	About 12 months' growth.		
249	F 2722	Fine clothing wool	About 12 months' growth.		
250	F 2723	Second clothing wool	About 12 months' growth.		
251	F 1485	Ewe's wool! ordinary flock; pure Silesian stock; superior clothing; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.		Messrs. Cox Bros., Rawden, Rylstone, N.S.W.
252	F 1488	Ewe's wool; ordinary flock; pure Silesian stock; superior clothing; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.		Messrs. Cox Bros., Rawden, Rylstone, N.S.W.
253	F 1488	Ewe's wool; ordinary flock; pure Silesian stock; superior clothing; station-bred; unhoused, and fed on natural grasses.	About 12 months' growth.		Messrs. Cox Bros., Rawden, Rylstone, N.S.W.
254	F 1967	Ewe's wool; fine clothing; station-bred; grown on open and exposed country; western district of N.S.W.	About 12 months' growth,		Mr. L. Leeke, Euroka, Walgett, N.S.W.
255	F 1968	Ewe's wool; fine clothing; station-bred; grown on open and exposed country; western district of N.S.W.	About 12 months' growth.		Mr. L. Leeke, Euroka, Walgett, N.S.W.
256	F 1964	Ewe's wool; fine clothing; station-bred; grown on open and exposed country; western district of N.S.W.	About 12 months' growth.		Mr. L. Leeke, Euroka, Walgett, N.S.W.
257	F 1969	Ewe's wool; fine clothing; station-bred; grown on open and exposed country; western district of N.S.W.	About 12 months' growth.		Mr. L. Leeke, Euroka, Walgett, N.S.W.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.
		WOOL CLIP, 1892.
		Wool sold by Harrison, Jones, and Devlin, Limited, Wool Brokers, &c., Sydney.
258	F 2553	Fine combing hoggets' wool; lightly skirted. Brand, RMcI over LIGHTHOUSE. Sold, 8d. per lb., 7 November, 1892.
259	F 2554	Fine combing hoggets' wool; lightly skirted. Brand, BMcI over LIGHTHOUSE. Sold, 7¾d. per lb., 7 November, 1892.
	F 2555	Fine combing hoggets' wool; combing. Brand, JS. Sold, 8½d. per lb., 7 November, 1892.
260	F 2556	Fine combing hoggets' wool; first combing. Brand, H over ROSEVALE. Sold, 8d. per lb., 7 November, 1892.
261	F 2557	Combing fleeces; skirted and unclassed. Brand, DMcG; 124 bales. Sold, 7¾d. per lb., 7 November, 1892.
261A	F 2558	Combing fleeces; unclassed; not skirted. Brand, WC over B. Sold, 7½d. per lb., 7 November, 1892.
262	F 2559	Fine ewes' fleeces, combing; lightly skirted. Brand, S and C over NYANGAN. Sold, 7d. per lb., 7 November, 1892.
263	F 2560	Hoggets and ewes' wool; unclassed; not skirted. Brand, MG. Sold, 6½d. per lb., 7 November, 1892.
264	F 2561	Lambs' wool; superior. Brand, JR over, KIMO. Sold, 9½d. per lb., 7 November, 1892.
265	F 2562	First lambs' wool. Brand, BMO. Sold, 8d. per lb., 7 November, 1892.
266	F 2647	Hoggets and ewes' wool; superior combing; classed and skirted. Brand, R over half-circle over BIRAGANBIL. Sold, 8½d. per lb., 14 November, 1892.
267	F 2648	Hoggets and ewes' wool; 1st combing; classed and skirted. Brand, R over half-circle over BIRAGANBIL. Sold, 8d. per lb., 14 November, 1892.
268	F 2649	Hoggets and ewes' wool; 2nd combing; classed and skirted. Brand, R over half-circle over BIRAGANBIL. Passed in, 14 November, 1892.
269	F 2650	Hoggets, ewes, and wethers' wool; carding; skirted. Brand, STV over BURROWA. Sold, 8¼d. per lb., 14 November, 1892.
270	F 2651	Wethers and ewes' wool; 1st combing; classed and skirted. Brand, JR over KIMO. Passed in, 14 November, 1892.
271	F 2652	Wethers and ewes' wool; 2nd combing; classed and skirted. Brand, JR over KIMO. Sold, 8d. per lb., 14 November, 1892.
272	F 2653	Wethers and ewes' wool; 1st clothing; classed and skirted. Brand, JR over KIMO. Sold, 7¾d. per lb., 14 November, 1892.
273	F 2654	Pieces. Brand, JR over, KIMO. Not sold, 14 November, 1892.
274	F 2655	1st and 2nd combing fleeces; skirty. Brand, JRN over KIMO. Sold, 8½d. per lb., 14 November, 1892.
275	F 2656	Carding fleeces; unclassed. Brand, HAMPSTEAD over half-circle over EW. Not sold. 14 November, 1892.
276	F 2657	Combing fleeces; ewes'; slightly (burry). Brand, BMO. Sold, 8d. per lb., 14 November, 1892.
277	F 2658	1st combing fleeces; hoggets and ewes'; classed. Brand, KINGSTONE over PARK. Sold, 6½d. per lb., 14 November, 1892.
278	F 2659	Clothing fleeces; hoggets and ewes'; classed. Brand, KINGSTONE over PARK. Sold, 6½d. per lb., 14 November, 1892.
279	F 2660	1st combing fleeces; hoggets, ewes, and wethers'; lightly skirted. Brand, GARANGOLA. Sold, 7¾d. per lb, 14 November, 1892.
280	F 2661	Combing fleeces; mixed; unclassed; lightly skirted. Brand, TT over D over CORROWA. Sold, 7d. per lb., 14 November, 1892.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847 : Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.

WOOL CLIP, 1892.

Wool Sold by Harrison, Jones, and Devlin, Limited—continued.

281	F 2662	1st combing fleeces ; hoggets, ewes, and wethers' ; lightly skirted. Brand, BELALEY. Sold, 7d. per lb., 14 November, 1892.
282	F 2734	Fine combing (hoggets, ewes, and wethers') wool ; classed and lightly skirted. Brand, triangle over L over REDBANK. Sold, 8½d. per lb., 21 November, 1892.
283	F 2735	Mixed combing (hoggets, ewes, and wethers') wool ; classed and skirted. Brand, triangle over L over REDBANK. Sold, 8d. per lb., 21 November, 1892.
284	F 2736	Fine combing (hoggets, ewes, and wethers') wool ; classed and skirted. Brand, MLY. Sold, 8¼d. per lb., 2 November, 1892.
285	F 2737	1st combing (ewes') wool ; classed and skirted. Brand, MLY. Sold, 8d. per lb., 21 November, 1892.
286	F 2738	1st clothing (ewes, hoggets') wool ; classed and skirted. Brand, MLY. Sold, 8¼d. per lb., 21 November, 1892.
287	F 2739	Combing and clothing (hoggets, ewes, and wethers') wool ; skirted. Brand, McInness Bros. over Clunes. Sold, 8d. per lb., 21 November, 1892.
288	F 2740	Fine combing (mixed) wool ; lightly skirted. Brand, CX over Bullio. Sold, 8d. per lb., 21 November, 1892.
289	F 2741	Combing and clothing (mixed) wool ; lightly skirted. Brand, P. Cass over Springview. Sold, 7¾d. per lb., 21 November, 1892.
290	F 2742	Combing (wethers and ewes') wool ; lightly skirted. Brand, RL. Sold, 7¾d. per lb., 21 November, 1892.
291	F 2743	Combing (hoggets and ewes') wool ; lightly skirted (burry). Brand, R over D over BUNGAN. Sold, 7¾d. per lb., 21 November, 1892.
292	F 2744	1st combing (hoggets and ewes') wool ; classed and skirted. Brand, R over Trungley. Sold, 7¾d. per lb., 21 November, 1892.
293	F 2745	Combing and clothing (mixed) wool ; lightly skirted. Brand, G sideways over P over Cheewong. Sold, 7½d. per lb., 21 November, 1892.
294	F 2746	Combing wool ; lightly skirted. Brand, JR over H sideways. Sold, 7½d. per lb., 21 November, 1892.
295	F 2747	Combing (hoggets, ewes, and wethers') wool ; lightly skirted. Brand, CN over Oakburn. Sold, 7½d. per lb , 21 November, 1892.
296	F 2748	Combing wool ; lightly skirted. Brand, CN over Oakburn. Sold, 6½d. per lb., 21 November, 1892.
297	F 2749	Combing and clothing (hogget, ewes, and wethers') wool ; unclassed. Brand, PS over OB.
298	F 2750	Combing (hoggets and ewes') wool ; a little seedy. Brand, U Brown over Canowindra. Sold, 7½d. per lb., 21 November, 1892.
299	F 2751	Combing (hoggets and ewes') wool ; lightly skirted. Brand, ꝗB over Belle Vue. Sold, 7¼d. per lb , 21 November, 1892.

Wool sold by the New Zealand Loan and Mercantile Agency Co., Limited, Wool Brokers, &c., Sydney.

300	F 2563	Hoggets, ewes, and wethers' wool ; unclassed. Brand, H and AB over GORADGORY. Sold, 7½d. per lb., 7 November, 1892.
301	F 2564	Ewes' wool ; combing (burry). Brand, CALGA. Sold, 7½d. per lb., 7 November, 1892.
302	F 2565	Wethers and hoggets' wool ; lightly skirted. Brand, DM. Sold, 7¼d. per lb., 7 November, 1892.

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Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.

WOOL CLIP, 1892.

Wool sold by the New Zealand Loan and Mercantile Agency Co., Limited—continued.

303	F 2566	Ewes' wool; combing (burry). Brand, WKYLE. Sold, 7¼d. per lb., 7, November, 1892.
304	F 2567	Ewes and wethers' wool; combing (burry). Brand, EAW over FAIRVIEW. Sold, 7d. per lb., 7 November, 1892.
305	F 2637	Hoggets, ewes, and wethers' wool; superior combing; unclassed, and lightly skirted. Brand, PH. Sold, 8¼d. per lb., 14 November, 1892.
306	F 2638	Hoggets, ewes, and wethers' wool; first combing; classed and lightly skirted. Brand, AIAB over DOLLARVALE. Sold, 8¼d. per lb., 14 November, 1892.
307	F 2639	Hoggets, ewes, and wethers' wool; second combing; classed and lightly skirted. Brand, AIAB over DOLLARVALE. Sold, 8d. per lb. 14 November, 1892.
308	F 2640	Hoggets, ewes, and wethers' wool; first combing; classed and skirted. Brand, H over Bloomfield. Sold, 8d. per lb., 14 November, 1892.
309	F 2641	Hoggets, ewes, and wethers' wool; 1st combing; lightly skirted. Brand, S & ES. Sold, 8d. per lb., 14 November, 1892.
310	F 2642	Hoggets, ewes, and wethers' wool; skirted. Brand, S & ES. Sold, 7¼d. per lb., 14 November, 1892.
311	F 2643	Ewes' wool; 1st combing; lightly skirted. Brand, KIBAH. Sold, 8d. per lb., 14 November, 1892.
312	F 2644	Hoggets and ewes' wool; 1st combing; lightly skirted. Brand GH over K. Sold, 7¼d. per lb., 14 November, 1892.
312b	F 2645	Ewes' wool; clothing: unclassed; lightly skirted. Brand, IBBOTT over PIER. Sold, 6¾d. per lb., 14 November, 1892.
313	F 2753	Fine clothing wool. Brand, D & M over BULGANDRAMINE. Sold, 8½d. per lb., 21 November, 1892.
314	F 2754	First combing wethers' wool; good. Brand, ALSN. Sold, 8¼d. per lb. 21 November, 1892.
315	F 2755	1st combing ewes' wool. Brand, ALSN.
316	F 2756	Combing ewes' wool; seedy. Brand, LOW. Sold, 7¾d. per lb., 21 November, 1892.
317	F 2757	Clothing ewes' wool: slightly seedy. Brand, LOW. Sold, 8d. per lb., 21 November, 1892.
318	F 2758	Mixed combing ewes' wool; slightly seedy. Brand, Low. Sold, 8d. per lb., 21 November, 1892.
319	F 2759	First combing ewes' wool, burry. Brand, PMA. Sold, 8d. per lb., 21 November, 1892.
320	F 2760	Fine combing wool; lightly skirted; not classed. Brand, JML conjoined. Sold, 8d. per lb., 21 November, 1892.
321	F 2761	Combing wool, burry; indifferently skirted. Brand, GROGAN.
322	F 2762	Combing ewes' wool; indifferently skirted. Brand, GROGAN.
323	F 2763	Combing hoggets and ewes' wool; slightly skirted. Brand. J.B. over BLOWCLEAR. Sold 7¾d. per lb., 21 November, 1892.
324	F 2764	Combing wool; skirted. Brand, J.M.G. over ROSEWOOD. Sold, 8½d. per lb., 21 November, 1892.
325	F 2765	Combing wool; skirted and burry. Brand, T.L. over Lyndhurst. Sold, 7¼d. per lb., 21 November, 1892.
326	F 2766	Combing lambs' wool. Brand, D & M over BULGANDRAMINE. Sold, 8½d. per lb., 21 November, 1892.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.

WOOL CLIP, 1892.

Wool sold by Dalgety & Co., Limited, Wool Brokers, &c., Sydney.

327	F 2665	Superior combing fleeces; hoggets, ewes, and wethers'; classed and skirted. Brand, XE in diamond. Sold, 8¼d. per lb., 16 November, 1892.
328	F 2666	First and second combing fleeces; hoggets, ewes, and wethers'; classed and skirted. Brand, XE in diamond. Sold, 8d. per lb., 16 November, 1892.
329	F 2667	Superior clothing fleeces; classed and skirted. Brand, XE in diamond. Sold, 8d. per lb., 16 November, 1892.
330	F 2668	Superior combing fleeces; hoggets'; classed and skirted. Brand, XE in diamond. Sold, 8¼d. per lb., 16 November, 1892.
331	F 2669	First clothing fleeces; hoggets and ewes'; classed and skirted. Brand, XE in diamond over NINGFAR. Sold, 7¾d. per lb., 16 November, 1892.
332	F 2670	Second clothing fleeces; hoggets and ewes'; classed and skirted. Brand, XE in diamond over NINGFAR. Sold, 7¾d. per lb., 16 November, 1892.
333	F 2671	First combing fleeces; hoggets, ewes, and wethers'; classed and skirted. Brand, JHS over YY. Sold, 7¾d. per lb., 16 November, 1892.
334	F 2672	First coming fleeces; hoggets and wethers'; classed and skirted. Brand, Gummin Gummin. Sold, 7¾d. per lb., 16 November, 1892.
335	F 2673	First combing fleeces; hoggets and ewes'; classed and skirted. Brand, Gummin Gummin. Sold, 7¾d. per lb., 16 November, 1892.
336	F 2674	Second combing fleeces; hoggets, ewes, and wethers'; classed and skirted. Brand, Gummin Gummin. Sold, at 7¾d. per lb, 16 November, 1892.
337	F 2675	Combing fleeces; hoggets, ewes, and wethers'; lightly skirted. Brand, U over bar over CORUMBI. Not sold, 13 November, 1892.
338	F 2676	Fine earding fleeces; ewes'; slightly burry. Brand, CORRABURRAMA over WB. Not sold, 16 November, 1892.
339	F 2677	Fine earding fleeces; wethers'; slightly burry. Brand, CORRABURRAMA. Not sold, 16 November, 1892.
340	F 2678	First combing fleeces; hoggets, ewes'; slightly burry. Brand, RSYL. Sold, 8d. per lb., 16 November, 1892.
341	F 2679	Carding fleeces; unclassed and skirty. Brand, B.L. over K. Not sold, 16 November, 1892.
342	F 2770	Combing wool; burry. Brand, H.O. over Bangaroo. Sold, 8½d. per lb., 23 November, 1892.
343	F 2771	Combing wool; burry. Brand, H.O. over Bangaroo. Sold, 8d. per lb., 23 November, 1892.
344	F 2772	Combing wool; burry. Brand, H.O. over Bangaroo. Sold, 7¾d. per lb., 23 November, 1892.
345	F 2773	Fine combing wool; classed and skirted. Brand, Croppa. Sold, 8½d. per lb., 23 November, 1892.
346	F 2774	Fine combing wool: classed and skirted. Brand, Croppa. Sold, 8¼d. per lb., 23 November, 1892.
347	F 2775	Fine clothing wool; classed and skirted. Brand, Croppa. Sold, 7¾d. per lb., 23 November, 1892.
348	F 2776	Clothing wool; classed and skirted. Brand, Croppa.
349	F 2777	Fine combing wool; classed and skirted. Brand, Callubri. Sold, 7¾d. per lb., 23 November, 1892.
350	F 2778	Combing wool; skirted. Brand, R. over R.N. Sold, 7¾d. per lb., 23 November, 1892.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847 : Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.

WOOL CLIP, 1892.

Wool sold by Dalgety & Co., Limited—continued.

351	F 2779	Clothing and combing wool; seedy, skirted. Brand, T.M. over E over Brawlin. Sold, d. per lb., 23 November, 1892.
352	F 2780	Combing wool; skirted. Brand, F.A. Sold, 7¾d. per lb., 23 November, 1892.
353	F 2781	Combing wool; classed. Brand, Gumble. Sold, 8d. per lb., 23 November, 1892.
354	F 2782	Combing wool. Brand, Clark over Woodlawn. Sold, 8d. per lb., 23 November, 1892.
355	F 2783	Fine combing wool; skirted. Brand, CY over Weddin view. Sold, 8¼d. per lb., 23 November, 1892.
356	F 2784	Combing and clothing wool. Brand, TM over E over Brawlin.

Wool sold by Messrs. John Bridge & Co., Wool Brokers, &c., Sydney.

357	F 2785	Combing wool; unskirted. Brand, JE conjoined in circle over Bethrunga. Sold, 8½d. per lb., 22 November, 1892.
358	F 2786	Combing wool; skirted. Brand, T in circle over Frampton. Sold, 8¼d. per lb., 22 November, 1892.
359	F 2787	Combing wool; slightly skirted. Brand, JR over Arthursleigh over Coolomon. Sold, 8d. per lb., 22 November, 1892.
360	F 2788	Combing wool; skirted. Brand, RL over New England. Sold, 8d. per lb., 22 November, 1892.
361	F 2789	Combing wool; skirted. Brand, EW over Prairie Park. Sold, 7¾d. per lb, 22 November, 1892.
362	F 2790	First combing and clothing wool; not classed. Brand, SB in half diamond over MULLAH. Sold, 7¾d. per lb., 22 November, 1892.
363	F 2791	Superior combing wool; skirted. Brand, J. J. Rudd over Wagingoberembie. Sold, 7¾d. per lb., 22 November, 1892.
364	F 2792	Combing wool; slightly skirted. Brand, SK over Parkes. Sold, 7¾d. per lb., 22 November, 1892.
365	F 2793	Combing wool. Brand, Barwon Vale. Sold, 7¾d. per lb., 22 November, 1892.
366	F 2794	Combing wool. Brand, MF over V. Sold, 7¾d. per lb., 22 November, 1892.
367	F 2795	Combing wool. Brand, DD over Manilla. Sold, 7½d. per lb, 22 November, 1892.
368	F 2796	Combing wool. Brand, Quandary North over NDY. Sold, 7½d. per lb., 22 November, 1892.
369	F 2797	Combing wool; slightly skirted. Brand, JOS. Sold, 7½d. per lb., 22 November, 1892.
370	F 2798	Superior combing wool; classed. Brand, J. J. Rudd over Wagingoberembie. Sold, 7½d. per lb., 22 November, 1892.
371	F 2799	Clothing ewes' wool. Brand, JW over T. Sold, 7½d. per lb., 22 November, 1892.
372	F 2800	Clothing ewes' wool. Brand, W.R.R. Sold, 7¼d. per lb., 22 Nov., 1892.
373	2 801	1st combing wool; slightly skirted. Brand, R.D. Sold, 8¼d. per lb., 22 November, 1899.
374	F 2802	1st combing wool. Brand, S.B. in half diamond over Mullah. Sold, 7¾d. per lb., 22 November, 1892.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.

WOOL CLIP, 1892.

Wool sold by Messrs. John Bridge & Co.—continued.

375	F 2803	1st combing wool. Brand, DM over Waterford. Sold, 7¾d. per lb., 22 November, 1892.
376	F 2804	Combing wool; unskirted. Brand, U.S. over Jones Creek. Sold, 7d. per lb., 22 November, 1892.
377	F 2805	Combing wool; unclassed; unskirted; burry. Brand, P.B. over Muttama. Sold, 7d. per lb., 22 November, 1892.
378	F 2806	Combing wool. Brand, C.D.
379	F 2680	Superior combing fleeces; hoggets, ewes, and wethers'. Brand, triangle over | over S. Edwards. Sold, 9¼d. per lb., 16 November, 1892.
380	F 2681	First combing, fleeces. Brand, J.2 over BP. Sold, 8d. per lb., 16 November, 1892.
381	F 2682	Combing fleeces; hoggets, ewes, and wethers'; lightly skirted. Brand, TH over X over ROSEGREEN. Sold, 8½d. per lb., 16 November, 1892.
382	F 2683	Carding fleeces; hoggets, ewes, and wethers'; lightly skirted. Brand, 3A&B. Sold, 8¼d. per lb., 16 November, 1892.
383	F 2684	Fine combing fleeces; hoggets and wethers'; lightly skirted. Brand, M/S. Sold, 8d. per lb., 16 November, 1892.
384	F 2685	Fine combing fleeces; hoggets and wethers'; lightly skirted. Brand, ON. Sold, 7¼d. per lb., 16 November, 1892.
385	F 2686	Fine combing fleeces; hoggets, ewes, and wethers'; lightly skirted. Brand, JC over FAIRVIEW. Sold, 7¼d. per lb., 16 November, 1892.
386	F 2687	Combing fleeces. Brand, GUY over B. Sold, 7¼d. per lb. 16 November, 1892.
387	F 2688	Clothing fleeces; hoggets and ewes'; unskirted. Brand, MD over D. Not sold, 16 November, 1892.
388	F 2689	Carding fleeces; hoggets'; skirty. Brand, IXL. Sold, 7¾d. per lb., 16 November, 1892.
389	F 2690	Fine combing fleeces; hoggets, ewes, and wethers'; lightly skirted. Brand, W in half diamond over FAIRFIELD over TRANGIE. Sold, 7½d. per lb., 16 November, 1892.
390	F 2691	Fine combing fleeces; lightly skirted. Brand, JB over Y. Sold, 7¼d. per lb., 16 November, 1892.
391	F 2692	Combing and clothing fleeces; unclassed and unskirted. Brand, H in circle over H H in circles. Not sold, 16 November, 1892.

Wool sold by Messrs. Winchcombe, Carson, & Co., Wool Brokers, &c., Sydney.

392	F 2529	Fine combing wool; classed and skirted. Brand, FAX over MUDGEE. Sold at 8½d. per lb., 2 November, 1892.
393	F 2530	Fine combing wethers' wool; skirted. Brand, W/JS over Wandong. Sold at 8½d. per lb., 2 November, 1892.
394	F 2531	Fine combing wethers' wool; skirted. Brand, AM over GOODHOPE. Sold, 8d. per lb., 2 November, 1892.
395	F 2532	Ewes' wool; skirted. Brand, JWS over Wandong. Sold, 7¾d. per lb., 2 November, 1892.
396	F 2533	Ewes' wool; unskirted. Brand, SE over Timor. Sold at 7½d. per lb., 2 November, 1892.
397	F 2534	Ewes' wool; lightly skirted. Brand, BINNIA. Sold, 7d. per lb., 2 November, 1892.
398	F 2535	Hoggets' wool; slightly skirted. Brand, AW over 59. Sold, 7½d. per lb., 2 November, 1892.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.

WOOL CLIP, 1892.

Wool sold by Messrs. Winchcombe, Carson, & Co.—continued.

399	F 2536	Ewes' wool; slightly skirted. Brand, C/ MERRENDE over E/ MUDGEE. Sold, 7¾d. per lb., 2 November, 1892.
400	F 2699	First combing fleeces; wethers'; classed and lightly skirted. Brand, W over JS over Wandong. Sold at 8¼d. per lb., 17 November, 1892.
401	F 2700	First combing fleeces; ewes'; classed and lightly skirted. Brand, W over JS over Wandong. Sold at 8¼d. per lb., 17 November, 1892.
402	F 2701	Fine combing fleeces; hoggets, ewes, and wethers'; lightly skirted and burry. Brand, ꝗB over Pine Lodge. Sold at 8d per lb., 17 November, 1892.
403	F 2702	First combing fleeces; hoggets, ewes, and wethers'; classd, lightly skirted, and burry. Brand, flourish over AC over ARGYLE.
404	F 2703	Combing and clothing fleeces; hoggets'; unclassed and lightly skirted. Brand, O.K. Sold at 8d. per lb., 17 November, 1892.
405	F 2704	Combing and clothing fleeces; ewes'; unclassed and lightly skirted. Brand, O.K. Sold at 8d. per lb., 17 November, 1892.
406	F 2705	Combing and clothing fleeces; hoggets, ewes, and wethers'; unclassed and burry. Brand, ZY over Bullagreen. Sold at 7¾d. per lb., 17 November, 1892.
407	F 2706	Fine combing fleeces; hoggets and ewes'; unclassed and skirted. Brand, PORTER. Sold at 7¾d per lb., 17 November, 1892.
408	F 2707	Fine combing fleeces; hoggets and ewes'; unclassed and lightly skirted. Brand, N.G over WOODFORD. Sold at 7¾d. per lb., 17 November, 1892.
409	F 2708	Fine combing fleeces; hoggets, ewes, and wethers'; unclassed and lightly skirted. Brand, BC.
410	F 2709	Fine combing fleeces; hoggets and ewes'; unclassed and lightly skirted. Brand, GUNYAH GREEN. Sold at 7½d. per lb., 17 November, 1892.
411	F 2710	Fine combing fleeces; hoggets and ewes'; unclassed and lightly skirted. Brand, JOM over Halfway Valley in circle. Sold at 7½d. per lb., 17 November, 1892.
412	F 2808	Combing (hoggets') wool. Brand, JCW over Greenbank. Sold, 9¼d. per lb., 22 November, 1892.
413	F 2809	Combing (wethers') wool. Brand, JCW over Greenbank. Sold, 8½d. per lb., 22 November, 1892.
414	F 2810	Combing (ewes') wool. Brand, JCW over Greenbank. Sold, 8½d. per lb., 22 November, 1892.
415	F 2811	Fine combing wool. Brand, War over Aingdon. Sold, 9¼d. per lb., 22 November, 1892.
416	F 2812	Combing wool. Brand, Da BB. Sold, 8½d. per lb., 22 November, 1892.
417	F 2813	Combing wool. Brand, CO over Myiong. Sold, 8¼d. per lb., 22 November, 1892.
418	F 2814	Combing wool. Brand, M over ⊍. Sold, 8¼d. per lb., 22 November, 1892.
419	F 2815	Combing wool. Brand, Hulbron. Sold, 8d. per lb., 22 November, 1892.
420	F 2816	Combing wool. Brand, WAROO over PB. Sold, 7¾d. per lb., 22 November.
421	F 2817	Combing wool. Brand, Wra over Noyean. Sold, 7¾d. per lb., 22 November, 1892.
422	F 2818	Combing wool. Brand, CWP. Sold, 7¾d. per lb., 22 November, 1892.
423	F 2819	Combing wool. Brand, TW. Sold, 7½d. per lb., 22 November, 1892.
424	F 2820	Combing wool. Brand, JC. Sold, 7½d. per lb., 22 November, 1892.
425	F 2821	Combing wool. Brand, AY. Sold, 7½d. per lb., 22 November, 1892.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.

WOOL CLIP, 1892.

Wool sold by Messrs. Winchcombe, Carson, & Co.—continued.

426	F 2822	Clothing wool (burry). Brand, A over Damtree. Sold, 7½d. per lb., 22 November, 1892.
427	F 2823	Combing to clothing wool. Brand, T over Don. Sold, 7¼d. per lb., 22 November, 1892.
428	F 2824	Combing wool. Brand, EW. Sold, 7¼d. per lb., 22 November, 1892.
429	F 2825	Combing wool. Brand, TT. Sold, 8d. per lb., 22 November, 1892.

WOOL CLIP, 1892—No. 1.

Wool sold by the Australasian Mortgage & Agency Co., Limited, Wool Brokers, &c., Sydney.

430	F 2693	Fine combing fleeces; hoggets and ewes'; classed and skirted. Brand, NX over HAZELWOOD. Sold, 8d. per lb., 17 November, 1892.
431	F 2594	Fine combing fleeces; ewes'; classed and skirted. Brand, NX over HAZELWOOD. Sold, 8d. per lb., 17 November, 1892.
432	F 2695	First combing fleeces; hoggets, ewes, and wethers'; classed and skirted. Brand, B. Park over DR over ILLABO. Not sold. 17 November, 1892.
433	F 2696	Second combing fleeces; hoggets, ewes, and wethers'; classed and skirted. Brand, DVS over PUEN BUEN over N.S.W. Sold, 7¾d. per lb., 17 November, 1892.
434	F 2697	First combing fleeces; classed and skirted. Brand, LL over NAMOI. Sold, 7¼d. per lb., 17 November, 1892.
435	F 2698	Second combing fleeces; classed and skirted. Brand, LL over NAMOI. Sold, 6¾d. per lb., 17 November, 1892.
436	F 2825A	Superior carding (ewes') wool. Brand, FBS.
437	F 2826A	First combing (ewes') wool. Brand, FBS.
438	F 2827	Fine combing (wethers') wool. Brand, FBS.
439	F 2828	Superior (hoggets') wool. Brand, FBS.
440	F 2829	First combing (hoggets') wool. Brand, F.B.S.
441	F 2830	First combing (hoggets') wool. Brand, Yarralamla.
442	F 2831	Second combing (hoggets') wool. Brand, Yarralamla.

Wool sold by Messrs. J. H. Geddes and Co. (The Pastoral Finance Association, Limited) Wool Brokers, &c., Sydney.

443	F 2832	Combing wool. Brand, RR conjoined over Tiverton over AA.
444	F 2833	Combing wool. Brand, RR conjoined over Tiverton over AA.
445	F 2834	Fine carding wool. Brand, RR conjoined over Tiverton over AA.
446	F 2836	Fine clothing wool, classed and skirted. Brand, RR conjoined over Clifton over E.
447	F 2837	Fine combing wool, classed and skirted. Brand, RR conjoined over Clifton over WH.
448	F 2838	Fine combing wool. Brand, W.W.W.
449	F 2839	Fine combing wool. Brand, W.W.W.
450	F 2841	Superior combing wool. Brand, W.G. & Co. over Tarcelari over AA.
451	F 2841A	Clothing wool. Brand, W.G. & Co. over Tarcelari.
452	F 2842	Superior combing wool. Brand, J.X. over Therribi.
453	F 2843	Combing wool. Brand, J.X. over Therribi over W.A.
454	F 2844	Combing wool, slightly skirted (burry). Brand, J.X. over Therribri over F.B.
455	F 2845	First combing wool. Brand, L.D.N. over E.H.
456	F 2846	Superior combing wool. Brand, L.D.N. over W.H.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class £47: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.

WOOL CLIP, 1892—No. 1.

Wool sold by Messrs. Hill, Clark, and Co., Wool Brokers, Sydney.

457	F 2348	Combing wool; skirted. Brand, H over ⊨ over Yammatree.
458	F 2849	Combing wool. Brand, JH conjoined over ⊨ over Yammatree.
459	F 2850	Combing wool. Brand, P.N. Sold 8½d. per lb., 30 November, 1892.
460	F 2851	Combing wool; shanky. Brand, P.R. over Jones' Creek. Sold 8½d. per lb., 30 November, 1892.
461	F 2852	First combing (wethers') wool; classed and skirted. Brand, T over diamond. Sold 8½d. per lb., 30 November, 1892.
462	F 2853	Second combing (wethers') wool; classed and skirted. Brand, T over diamond. Sold 8d. per lb., 30 November, 1892.
463	F 2854	First clothing (wethers') wool; classed and skirted. Brand, T over diamond. Sold 8d. per lb., 30 November, 1892.
464	F 2855	2nd clothing (wethers') wool; classed and skirted. Brand, T over diamond. Sold 7¾d. per lb., 30 November, 1892.
465	F 2856	First combing wool. Brand, Morbella. Sold 8d. per lb., 30 November, 1892.
466	F 2857	Combing wool. Brand, JC in diamond over M over Bland. Sold 8d. per lb., 30 November, 1892.
467	F 2858	Combing wool. Brand, W. G. B. over Albion. Sold 8d. per lb., 30 November, 1892.
468	F 2859	First combing; classed and skirted. Brand, I.P. Sold 7¾d. per lb., 30 November, 1892.
469	F 2360	Combing and clothing wool. Brand, M.B.S. Sold 7½d. per lb., 30 November, 1892.
470	F 2871	Carding wool. Brand, Morbella. Sold 7½d. per lb., 30 November, 1892.

Greasy Lambs' Wool.

471	F 2562	First lambs' wool. Brand, BMO. Sold 8d. per lb., 7 November, 1892.
472	F 2561	Superior lambs' wool. Brand, JR over KINO. Sold 9½d. per lb., 7 November, 1892.
473	F 2569A	First lambs' wool. Brand, AH over Moleen.
474	F 2566	First lambs' wool. Brand, D & M over BULGANDRAMINE. Sold 8½d. per lb., 7 November, 1892.
475	F 1836	Lambs' wool. Brand, E j over Cadow.
476	F 1532	Lambs' wool; station-bred.
477	F 2835	First lambs' wool. Brand, Tiverton.
478	F 1749	Lamb's greasy wool. Brand, F. Bros. over BENDMINE.
479	F 1535	Lamb's wool; pure Wanganella blood; station-bred; unhoused; never fed. Presented by Mr. Jas. Richmond, Haddon Rigg, Warren, New South Wales.
480	F 1977	Lamb's wool; station-bred; unhoused; never fed. Presented by Mr. L. Leekes, Euroka, Walgett, New South Wales.
481	F 1979	Lamb's wool; station-bred; unhoused; never fed. Presented by Mr. L. Leekes, Euroka, Walgett, New South Wales.
482	F 1953	Lamb's wool; station-bred; unhoused; never fed. Presented by Mr. L. Leekes, Euroka, Walgett, New South Wales.
483	F 1957	Lamb's wool; station-bred; unhoused; never fed. Presented by Mr. L. Leekes, Euroka, Walgett, New South Wales.
484	F 1835	Lamb's wool. Brand, LOW. Sold, 6¾d. per lb., 4 January, 1892.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.
		WOOL CLIP, 1892—No. 1.
		Greasy Lambs' Wool—*continued.*
485	F 1852	Lamb's wool. Brand, RR conjoined over Clifton. Sold, 7½d. per lb., 4 January, 1892.
486	F 2139	Lamb's wool; station-bred; ordinary flock; unhoused; never fed. Presented by Capt. W. R. Bridge, R.N., Trawalla, Victoria.
487	F 1828	Pure Lincoln stud ram's wool. About 12 months. Mr. J. Mitchell, Table Top, Yambla, Albury, New South Wales.
488	F 1829	Pure Lincoln stud ram's wool. About 12 months. Mr. J. Mitchell, Table Top, Yambla, Albury, New South Wales.
489	F 1830	Pure Leicester ewe's wool. About 12 months.
490	F 1831	Pure Leicester ewe's wool. About 12 months.
491	F 1832	Pure Leicester ewe's wool. About 12 months.
492	F 724	Lincoln stud ram's wool. 1st prize Liverpool Plains Pastoral and Agricultural Show, 1890. About 12 months' growth. Presented by Mr. W. H. Chaffey, Moonbi, Tamworth, New South Wales.
493	F 725	Lincoln stud ewe's wool. Prize-taker at Liverpool Plains Show, 1890. About 12 months' growth. Presented by Mr. W. H. Chaffey, Moonbi, Tamworth, New South Wales.
494	F 726	Lincoln hogget ram's wool; 12 months old. Presented by Mr. W. H. Chaffey, Moonbi, Tamworth, New South Wales.
495	F 729	Leicester stud hogget ram; 12 months old; station-bred. Presented by Mr. W. H. Chaffey, Moonbi Tamworth, New South Wales.
496	F 727	Leicester stud ewe's wool. Prize-taker at Liverpool Plains Pastoral and Agricultural Show, 1890. About 12 months' growth. Presented by Mr. W. H. Chaffey, Moonbi, Tamworth, New South Wales.
497	F 728	Wool of Leicester 2-tooth ewe. Prize-taker at Liverpool Plains Pastoral and Agricultural Show, 1890. About 12 months' growth. Presented by Mr. W. A. Chaffey, Moonbi, Tamworth, New South Wales.
498	F 872	Wool of pure Southdown stud ewe; 2 years old; 9 months and 2 days' growth. Progeny—ewe of stock imported by Mr. Woodhouse, Campbelltown, New South Wales; sire, imported ram to Victoria from New Zealand, and bred by Mr. John Dean, Christchurch, New Zealand, from stock imported to Victoria by Mr. F. Peppin from Mr. H. Webb, England, and Colonel Kingscote, of Kingscote, Gloucestershire, England. Cut 7 lb. 2 oz. Sold, Melbourne, 1890, 11d. per lb. unskirted; this year, 9¼d. per lb. Bred and presented by Mr. F. Peppin, Keroongoola, St. Kilda, Melbourne, Victoria.
499	F 873	Wool of pure Southdown stud ewe; 2 years old; 9 months and 2 days' growth. Progeny—ewe of stock imported by Mr. Woodhouse, Campbelltown, New South Wales; sire, imported ram to Victoria, from New Zealand, and bred by Mr. John Dean, Christchurch, New Zealand, from stock imported to Victoria by Mr. F. Peppin from Mr. H. Webb, England, and Colonel Kingscote, of Kingscote, Gloucestershire, England. Cut, 7 lb. 2 oz. Sold, Melbourne, 1890, 11d. per lb., unskirted; this year, 9¼d. per lb. Bred and presented by Mr. F. Peppin, Keroongoola, St. Kilda, Melbourne, Victoria.
500	F 2567	Wool of fine crossbred. Brand, McW. Sold at 7d. per lb., Nov. 7, 1892.
501	F 1847	Wool of merino Southdown; comeback.
502	F 1847A	Wool of merino Southdown; comeback.
503	F 1747	Wool of comeback; combing. (Merino and Leicester.) Brand, JMcC over Glenwood. Sold at 9¼d. per lb., Nov. 26, 1892.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.
		WOOL CLIP, 1892—No. 1.
		Greasy Lambs' Wool—*continued.*
504	F 1745	Wool of fine crossbred; combing; unclassed and unskirted; brand, T in heart; sold at 8½d. per lb, December 17, 1892.
505	F 2840	Wool of crossbred; combing; brand, WWW.
506	F 2847	Wool of crossbred; brand, SW over Cliffdale.
507	F 2518	Wool of hogget, crossbred; brand, BLLR.
508	F 1748	Wool of crossbred (Merino and Leicester); brand, Morris over Marulan; sold at 9½d. per lb., December 17, 1892.
509	F 1854	Wool of half-bred Merino, Romney Marsh; unhoused, and fed on natural grasses, on low, marshy, and fleekey country; presented by Messrs. Peterson and Sargood, Ellerslie, Jerilderie, N.S.W.
510	F 1853	Wool of half-bred Merino, Romney Marsh; unhoused, and fed on natural grasses, on low, marshy, and fleekey country; presented by Messrs. Peterson and Sargood, Ellerslie, Jerilderie, N.S.W.
		Collection of Wools, sorted into different grades, in greasy and scoured state, from the Sheep and Wool Training Department, Technical College, Sydney.
511	F 2870	Superior merino combing (hogget's) wool; greasy.
512	F 2871	Superior merino combing (hogget's) wool; scoured.
513	F 2872	Superior merino (ewe's) wool; greasy.
514	F 2873	Superior merino (ewe's) wool; scoured,
515	F 2874	First combing (hogget's) wool; greasy.
516	F 2875	First combing (hogget's) wool; scoured.
517	F 2876	First combing (ewe's) wool; greasy.
518	F 2877	First combing (ewe's) wool; scoured.
519	F 2878	First combing (wether's) wool; greasy.
520	F 2879	First combing (wether's) wool; scoured.
521	F 2880	Second combing (hogget's) wool; greasy.
522	F 2881	Second combing (hogget's) wool; scoured.
523	F 2882	Superior clothing (hogget's) wool; greasy.
524	F 2883	Superior clothing (hogget's) wool; scoured.
525	F 2884	Superior clothing (ewe's) wool; greasy.
526	F 2885	Superior clothing (ewe's) wool; scoured.
527	F 2886	First clothing (hogget's) wool; greasy.
528	F 2887	First clothing (hogget's) wool; scoured.
529	F 2888	First clothing (ewe's) wool; greasy.
530	F 2889	First clothing (ewe's) wool; scoured.
531	F 2890	Second clothing wool; greasy.
532	F 2891	Second clothing wool; scoured.
533	F 2892	First pieces of wool; greasy.
534	F 2893	First pieces of wool; scoured.
535	F 2894	Second pieces of wool; greasy.
536	F 2895	Second pieces of wool; scoured.
537	F 2896	Belly piece of wool; greasy.
538	F 2897	Belly piece of wool; scoured.
539	F 2898	Locks wool; greasy.
540	F 2899	Locks wool; scoured.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.

WOOL CLIP, 1892—No. 1.

Collection of Wools, in greasy and scoured state—continued.

541	F 2900	Fine combing cross-bred wool; greasy.
542	F 2901	Fine cross-bred wool; scoured.
542A	F 2902	Second combing cross-bred wool; greasy.
543	F 2903	Second combing cross-bred wool; scoured.
544	F 2904	Leicester wool; greasy.
545	F 2905	Leicester wool; scoured.
546	F 2906	Lincoln wool; greasy.
547	F 2907	Lincoln wool; scoured.
548	F 2908	Skin wool; combing, greasy.
549	F 2909	Skin wool; combing, scoured.
550	F 2910	Skin wool; clothing, greasy.
551	F 2911	Skin wool; clothing, scoured.
552	F 2912	Lamb's wool; greasy.
553	F 2913	Lamb's wool; scoured.
554	F 2913A	Cross-bred lamb's wool; greasy.
555	F 2914	Cross-bred lamb's wool; scoured.

WOOL CURIOSITIES.

556	F 1493	Black wool; merino; 2 years' growth. Presented by Mr. H. L. White, Belltrees, Scone, New South Wales.
557	F 1492A	Black wool; merino; belly piece; 2 years' growth. Presented by Mr. H. L. White, Belltrees, Scone, New South Wales.
558	F 530	Merino wool; from a sheep which had strayed from the flock, and had not been shorn for a number of years (3 years). Shoulder wool, 19 inches long; back, 21 inches long; and britch, 19 inches long. Bred and presented by Messrs. A. & W. Watson, Gerogery, New South Wales.
559	F 2453	Wool of ewe, 4 years old, from shoulder; shorn only as a lamb; length of wool, 15 inches. Bred and presented by Mr. A. Booth, Goobagombalin, Wagga, New South Wales.
560	F 1449	Sample of wool from a sheep which had been running wild for about six years. Bred and presented by Mr. H. L. White, Belltrees, Scone, New South Wales.
560	F 1451	Sample of variegated wool. Bred and presented by Mr. J. T. W. Scott, Newinga, Goondiwindi, Queensland.
561	F 2915	Skin wool; greasy, combing. Presented by Messrs. Johnson & Vicars, Sydney, New South Wales.
562	F 2916	Skin wool; greasy, clothing. Presented by Messrs. Johnston & Vicars, Sydney, New South Wales.

SAMPLES OF WOOL TOO LATE FOR CLASSIFICATION.

563	F 2917	Ewe's wool; greasy; 2-tooth; station-bred, grass fed, and never housed. Presented by Messrs. G. Russell & Sons, Burmah Plains, Victoria.
564	F 2918	Ewe's wool; greasy; 2-tooth; station-bred, grass fed, and never housed. Presented by Messrs. G. Russell & Sons, Burmah Plains, Victoria.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 847: Technical and Apprenticeship Schools, Technological Museum.

Department of Public Instruction, Sydney.—Type Educational Collections of Australasian Wools—*continued.*

Exhibition Catalogue Nos.	Museum Catalogue Nos.	Description.
		SAMPLES TOO LATE FOR CLASSIFICATION—*continued.*
565	F 2919	Wool of Ram; station-bred, unhoused, and fed on natural grasses only; 4-tooth. These sheep passed through the driest seasons yet known. The staple is strong and fairly well grown. Hon. J. H. Angus, Hill River, South Australia.
566	F 2920	Wool of Ram; station-bred, unhoused, and fed on natural grasses only; 4-tooth. These sheep passed through the driest seasons yet known. The staple is strong and fairly well grown. Hon. J. H. Angus, Hill River, South Australia.
567	F 2921	Suckling ewe's wool.
568	F 2922	Suckling ewe's wool.
569	F 2923	Suckling ewe's wool.
570	F 2924	Suckling ewe's wool.
571	F 2925	Suckling ewe's wool.
572	F 2926	Suckling ewe's wool.
573	F 2927	Suckling ewe's wool.
574	F 2928	Suckling ewe's wool.
575	F 2929	Suckling ewe's wool.
576	F 2930	Suckling ewe's wool.
577	F 2931	Suckling ewe's wool.
578	F 2932	4-tooth ewe's wool.
579	F 2933	4-tooth ewe's wool.
580	F 2934	2-tooth ewe's wool.
		Fleece from 5 year old Ram, bred in Marlborough, New Zealand, by Charles Goulter, Esq.

1214. DEPARTMENT OF PUBLIC INSTRUCTION, Sydney (Technical Education Branch, Technological Museum: Curator, J. H. Maiden, F.L.S., &c.)

Some Museum Publications:—

1. Wattles and Wattle-barks: Being Hints on the Conservation and Cultivation of Wattles. By J. H. Maiden. Royal 8vo. 1st Edition, pp. 41; seven plates; 1890. 2nd Edition, pp. 79; ten plates; 1891.
2. Raw Wools, and Specimens to Illustrate the uses of Wool. Descriptive Catalogues, Nos. 1, 2, and 3. By Alfred Hawkesworth. Royal 8vo. No. 1, pp. 160; 1890. No. 2, pp. 67; 1891. No. 3, pp. 67.
3. Wool Sorting, Wool Classing, Packing Wool, Wool Productions, and its prospects. By Alfred Hawkesworth. Royal 8vo., pp. 23; 1891. An abridgment of Descriptive Catalogue, No. 2.
4. Illustrations of Types of Wool; with Notes on their Formation, Qualities, etc. With eleven colored plates depicting ninety-two different wools. By Alfred Hawkesworth.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 849: Education of Defective Classes. Class 851: Higher Education.

CLASS 849.—Education of Defective Classes.—Schools for the Deaf, Dumb, Blind, and Feeble-minded; Adult Schools for the Illiterate.

1215. **NEW SOUTH WALES INSTITUTION FOR THE DEAF AND DUMB, AND THE BLIND, Sydney.**

Specimens of Industries and other work done by the pupils and inmates of the Institution.

1. Six specimens of carpentry work done by the deaf and dumb boys.
2. Four chalk drawings by the deaf and dumb pupils.
3. Seven plaster casts modelled by the deaf and dumb pupils.
4. Four specimens of basket-ware made by the blind boys.
5. Thirty-one specimens of plain and fancy needlework by the deaf and dumb and the blind girls.
6. Seven specimens of maps by the deaf and dumb pupils.

1216. **NEW SOUTH WALES INSTITUTION FOR THE DEAF AND DUMB, AND THE BLIND, Sydney.**

1. Three Photographs of the Institution; showing inmates at work.
2. Card giving statistical information regarding the Institution.
3. Copies of the 30th and 31st Annual Reports of the Institution.

1217. **WRENCH, J. T., Wallaby Rocks, near Sofala.**

Oil Painting. "Rose in Bloom."

This picture is exhibited as a specimen of the work which may be accomplished by the trained use of the toes. The exhibitor having been born without arms, has acquired a considerable degree of facility in wielding the brush and the pen with his toes, and earns his livelihood by executing such floral paintings as the one exhibited.

CLASS 851.—Higher Education: Academies and High Schools, Description and Statistics.

Colleges and Universities: Descriptions, Illustrations of the Buildings, Libraries, Museums, Collections, Courses of Study, Catalogues, Statistics, &c.

1218. **UNIVERSITY OF SYDNEY, (The Senate of the).**

Series of Photographs Illustrating the University.

1. University of Sydney, New South Wales.
2. Do do Main Building.
3. Do do Great Hall.
4. Do do Library.
5. Do do Anatomy Room, Medical School.
6. Do do Macleay Museum of Natural History.
7. Do do do

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 851: Higher Education.

The University of Sydney was incorporated by an Act of the Legislature of New South Wales, which received the Royal Assent on the 1st of October, 1850. The objects set forth in the preamble are the "Advancement of religion and morality, and the promotion of useful knowledge."

By that and subsequent Acts, it is empowered to give instruction and to grant such degrees and certificates as it shall think fit in all branches of knowledge except theology and divinity. Women are admitted to all University privileges equally with men. A Royal Charter issued in 1858 gives the same rank, style, and precedence to graduates of the University of Sydney as are enjoyed by graduates of Universities within the United Kingdom.

The government of the University is vested in a Senate consisting of sixteen elective Fellows, and not fewer than three nor more than six "ex officio" members, being Professors of the University. The Chancellor and the Vice-Chancellor are elected by the Senate from their own body.

The University receives annual endowments for general purposes from the Government of the Colony, amounting to about £15,000 per annum. It also possesses funds amounting to over £300,000, consisting of gifts and bequests, which it holds in trust partly for special objects such as Scholarships and Professorships, and partly for general purposes.

The above-mentioned sum includes a portion of a bequest to the University from the late Mr. John Henry Challis, which will ultimately amount to about £250,000 sterling.

The Degrees granted by the University are :—In the Faculty of Arts, Bachelor of Arts and Master of Arts; in the Faculty of Law, Bachelor of Laws (LL.B.) and Doctor of Laws (LL.D.); in the Faculty of Medicine, Bachelor of Medicine (M.B.), Master of Surgery (M.Ch.), and Doctor of Medicine (M.D.); in the Faculty of Science, Bachelor of Science (B.Sc.), Doctor of Science (D.Sc.), Bachelor of Engineering (B.E.), and Master of Engineering (M.E.).

The University Buildings have been erected on a site allotted by the Government for the purpose, at a cost of some £200,000, and include scientific laboratories and museums equipped with all modern appliances.

The Teaching Staff of the University consists of 14 Professors and about 40 Lecturers and Demonstrators. The number of students attending the University Lectures in 1892 was 598, including 99 women.

There are four Affiliated Colleges, viz., St. Paul's College, in connection with the Church of England, founded in 1854; St. John's College, in connection with the Church of Rome, founded in 1857; St. Andrew's College, in connection with the Presbyterian Church, founded in 1867; and a non-sectarian College for Women, founded in 1889. The object of the colleges is to provide systematic religious instruction and domestic supervision, with sufficient assistance in preparing for the University Lectures and Examinations, all students being required to attend the lectures of the University before proceeding to degrees.

1219. UNIVERSITY OF SYDNEY (The Trustees of the Macleay Museum of Natural History).

Collection of the Insects of New South Wales.

CASE 1.

DIURNAL LEPIDOPTERA.

3 Ornithoptera Pronomus, Gray. Cape York.
3 ,, Cassandra, Scott. North Queensland.
3 ,, Richmondia, Gray. New South Wales.
2 Papilio Polydorus, Linn. North Queensland.
2 ,, Egipius, Miskin. North Queensland.
2 ,, Sthenelus, Macleay. New South Wales.
2 ,, Sarpedon, Linn. New South Wales.
2 ,, Agamemnon, Linn. North Queensland.
2 ,, Anactus, Macleay. New South Wales.
2 ,, Lycaon, Westw. New South Wales.
3 ,, Erectheus, Don. New South Wales.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 851: Higher Education.

CASE I.—Diurnal Lepidoptera—*continued.*

2 Eurycus Cressida, Fab. New South Wales.
2 Elodina Egnatia, Godt. North Queensland.
3 Pieris Teutonia, Fab. New South Wales.
2 Pieris Scyllara, Macleay. New South Wales.
2 Tachyris Ega, Boisd. New South Wales.
1 Delias Aganippe, Don. New South Wales.
2 ,, Harpalyce, Don. New South Wales.
3 ,, Nigrina, Fab. New South Wales.
2 ,, Argenthona, Fab. North Queensland.
3 ,, Mysis, Fab. North Queensland.

CASE 2.

Diurnal Lepidoptera.

2 Terias Hecabe, Linn. New South Wales.
2 ,, Smilax, Don. New South Wales.
2 ,, Herla? Macleay. New South Wales.
2 Danais Hamata, Macleay. North Queensland.
2 ,, Affinis, Fab. North Queensland.
2 ,, Petilia, Stoll. New South Wales.
2 ,, Erippus, Cram. New South Wales.
2 ,, Genutia, Cram. North-west Australia.
2 Euplœa Corinna, Macleay. New South Wales.
2 ,, Sp? North Queensland.
2 ,, ,, North Queensland.
2 Hamadryas Zoilus, Fab. North Australia.
2 Acræa Andromacha, Fab. New South Wales.
2 Melanites Leda, Linn. North Queensland.
2 Xenica Achanta, Don. New South Wales.
1 ,, Kershawi, Miskin. Victoria.
1 ,, Hobartia, Westw. Victoria.
2 ,, Lathoniella, Westw. Victoria.
2 Epinephile Abeona, Don. New South Wales.
2 Heteronympha, Merope, Fab. New South Wales.
1 ,, Philerope, Boisd. Tasmania.
2 ,, Banksi, Leach. Victoria.
2 Mycalesis Terminus, Fab. North Queensland.
2 Hypocysta Euphemia, Doubl. New South Wales.
2 Ypthima Arctous, Fab. New South Wales.
2 Cethosia Chrysippe, Fab. North Queensland.
2 Cynthia Ada, Butler. North Queensland.
2 Messaras Prosope, Fab. North Queensland.
2 Pyrameis Itea, Fab. New South Wales.
2 ,, Kershawi, M'Coy. New South Wales.
2 Junonia Vellida, Fab. New South Wales.
2 ,, Albicincta, Butler. North Queensland.
2 Doleschallia Australis, Felder. North Qeeensland.
2 Diadema Bolina, Linn. North Queensland.
2 ,, Alimena, Linn. North Queensland.
2 Neptis Praslini, Boisd. North Queensland.
2 ,, Consimilis, Boisd. North Queensland.
2 Mynes Geoffroyi, Guér. North Queensland.
3 Chrysophanus, Aurifer, Blanch. New South Wales.
2 Lampides Bœticus, Linn. New South Wales.
2 Holochila Absimilis, Felder. New South Wales.
2 Ogyris Oroetes, Hew. Victoria.
2 Ialmenus Evagoras, Don. New South Wales.

CASE 3.

Nocturnal Lepidoptera.

64 species and 122 specimens (unnamed).

CASE 4.

COLEOPTERA.

Family Cicindelidæ.

Tetracha Australis, Chaud. South Australia.
,, crucigera, Macleay. Queensland.
,, Hopei, Casteln. North-west Australia.
Cicindela circumcincta, Casteln. New South Wales.
,, Rafflesia, Chaud. Queensland.
,, Upsilon, Dej. New South Wales.
,, Froggatti, Macleay. Queensland.
,, Teniucollis, Macleay. North-west Australia.
Distypsidera flavipes, Macleay. North Queensland.
,, parva, Macleay. North Queensland.

Family Carabidæ.

Calosoma Schayeri, Erich. New South Wales.
Pamborus alternans, Latr. New South Wales.
,, viridis, Gory. New South Wales.
,, Guérinii, Gory. New South Wales.
Endalia Waterhousei, Casteln. North-west Australia.
Ænigma Parvulum, Macleay. North Queensland.
Helluo costatus, Bon. New South Wales.
Pheropsophus verticalis, Dej. New South Wales.
Trigonothops fasciata, Macleay. North West Australia.
,, nigricollis, Macleay. Queensland.
,, pacifica, Erich. Tasmania.
Xanthophœa grandis, Chaud. New South Wales.
,, variabilis, Macleay. North West Australia.
Philophlœus distinguendus, Chaud. New South Wales.
Catascopus Australasiæ, Hope. North Queensland.
,, Chaudoiri, Casteln. Queensland.
Silphomorpha striatipennis, Macleay. North West Australia.
,, maculata, Newm. New South Wales.
,, nitiduloides, Guér. New South Wales.
,, vicina, Casteln. Queensland.
,, gyrinoides, Hope. New South Wales.
Acrogenys hirsuta, Macleay. Queensland.
Mystropomus Chaudoiri, Casteln. New South Wales.
Hyperion Schrœtteri, Schreib. New South Wales.
Laccopterum Spencei, Westw. New South Wales.
Carenum anthracinum, Macleay. South Australia.
,, Bonelli, Brulle. New South Wales.
,, Odewahnii, Casteln. South Australia.
Scaraphites Macleayi, Westw. Lord Howe Island.
Coronocanthus sulcatus, Macleay. North Australia.
Cratogaster sulcata, Blanch. North Australia.
Gnathaphanus pulcher, Dej. North Australia.
Amblytelus curtus, Fab. New South Wales.
Diaphoromerus inœqualipennis, Casteln. West Australia.
Chlænius peregrinus, Laferte. New South Wales.
,, maculiger, Casteln. New South Wales.
,, Greyanus, White. West Australia.
Epicosmus insignus, Schaum. North Queensland.
Secatophus Australis, Hope. South Australia.
Catadromus Lacordairei, Boisd. New South Wales.
Homalosoma viridescens, Casteln. New South Wales.
Phorticosomus Sp. ? South Australia.
Prosopogmus Wilcoxi, Casteln. New South Wales.
Sarticus saphyreomarginatus, Casteln. New South Wales.
Chlaenioidius prolixa, Erichs. New South Wales.
Epicosmus Australis, Dej. New South Wales.
Chlænius Australis, Dej. New South Wales.
,, marginatus, Dej. New South Wales.
Dicrochile Goryi, Boisd. New South Wales.

CASE 4.—COLEOPTERA—*continued.*

Family Lucanidæ.

Rhyssonotus nebulosus, Kirby. New South Wales.
Lamprima aurata, Latr. New South Wales.
,, insularis, Macleay. Lord Howe Island.
,, micardi, Reiche. West Australia.
Cladognathus torresensis, Deyr. North Australia.
Figulus liliputanus, Westw. New South Wales.
,, regularis, Westw. New South Wales.
Aulacocyclus edentulus, W. S. Maclcay. New South Wales.
Mastochilus Australasicus, Perch. New South Wales.
,, polyphyllus, W. S. Macleay. New South Wales.

Family Scarabæidæ.

Cepalodesmius Castelnaui, Harold. Queensland.
,, Maclcayi, Harold. Qucensland.
Tcmnoplectron rotundum, Westw. North Queensland.
,, politulum, Maclcay. North Queensland.
Coptodactyla glabricollis, Hope. North Queensland.
Onthophagus auritus, Erichs. New South Wales.
,, Australis, Guér. New South Wales.
,, capella, Kirby. New South Wales.
,, cuniculus, Maclcay. Queensland.
,, declivis, Harold. New South Wales.
,, ferox, Harold. West Australia.
,, laminatus, Maclcay. Qucensland.
,, pentacanthus, Harold. South Australia.
,, granulatus, Bohem. New South Wales.
,, Haagi, Harold. West Australia.
,, muticus, Macleay. Queensland.
,, nodulifer, Harold. Queensland.
,, rufosignatus, Macleay. Qucensland.
,, rugosus, Kirby. South Australia.
,, Walteri, Macleay. North Qucensland.
,, emarginatus, Macleay. Qucensland.
Phæochrous hirtipes, Macleay. Queensland.
Cælodes bimaculatus, Macleay, Queensland.
Bolboceras laticorne, Macleay. South Australia.
,, proboscidium, Schreib. New South Wales.
,, rhinoceros, Macleay. Queensland.
,, globuliforme, Maclcay. Quecnsland.
Trox alternans, Macleay. New South Wales.
,, squamosus, Macleay. Queensland.
,, subcarinatus, Macleay. Queensland.
,, asperimus, Macleay. North West Australia.
,, asperatus, Macleay. North West Australia.
Liparochrus sculptilis, Westw. Queensland.
Phyllotocus assimilis, Macleay. South Australia.
,, iridescens, Macleay. New South Wales.
,, Macleayi, Fischer. New South Wales.
,, marginipennis, Maclcay. New South Wales.
,, marginatus, Macleay. New South Wales.
,, mœstus, Boisd. New South Wales.
,, rufipennis, Boisd. New South Wales.
,, scutellaris, Macleay. New South Wales.
,, ustulatus, Blanch. West Australia.
Macrothops rostrata, Maclcay. West Australia.
Diphucephala aurolimbata, Blanch. Queensland.
,, aurulenta, Kirby. New South Wales.
,, Childreni, Waterh. West Australia.
,, colaspidioides, Gyllenh. New South Wales.
,, [parvula, Waterh. New South Wales.

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Group CXLIX—Class 851 : Higher Education.

CASE 4.—COLEOPTERA—*continued.*

Family Scarabæidæ—continued.

Diphucephala rufipes, Waterh. New South Wales.
,, Barnardi, Macleay. Queensland.
Mæchidius, Spurius, Kirby. New South Wales.
Epholcis divergens, Waterh. Queensland.
Calonota lineata, Blanch. West Australia.
Xylonychus Eucalypti, Boisd. New South Wales.
Liparetrus atriceps, Macleay. Queensland.
,, ferrugineus, Blanch. New South Wales.
,, marginipennis, Macleay. New South Wales.
,, xanthotrichus, Blanch. New South Wales.
,, badius, Macleay. New South Wales.
,, Mastersi, Macleay. West Australia.
,, luridipennis, Macleay. West Australia.
,, asper, Macleay. New South Wales.
Scitala pruinosa, Dalm. New South Wales.
,, flavipennis, Macleay. North Queensland.
Haplonycha obesa, Boisd. New South Wales.
,, crinita, Burm. West Australia.
Rhopea Verreauxi, Blanch, New South Wales.
Lepidiota squamulata, Waterh. North Queensland.
Lepidoderma albo-hirtum, Waterh. North Queensland.
Heteronychus sp. ? New South Wales.
,, vulgaris, Olliff. Lord Howe Island.
Chiroplatys juvencus, Burm. New South Wsles.
Corynophyllus Fortnumi, Hope. South Australia.
Dasygnathus Dejeanii, W. S. Macleay. New South Wales.
Xylotrupes Australicus, Thoms. Queensland.
Semanopterus Adelaidæ, Hope. South Australia.
Cryptodus paradoxus, W. S. Macleay. New South Wales.
,, piceus, Germ. South Australia.
Anoplognathus analis, Dalm. New South Wales.
,, viridiæneus, Donov. New South Wales.
,, abnormis, Macleay. Queensland.
,, rugosus, Kirby. New South Wales,
,, flavipennis, Boisd. New South Wales.
,, Olivieri, Dalm. New South Wales.
,, velutinus, Boisd. New South Wales.
,, porosus, Dalm. New South Wales.
,, punctulatus, Olliff, North Queensland.
,, Boisduvali, Boisd. Queensland.
Popilia flavomaculata, Macleay. North Queensland.
Calloodes Mastersi, Macleay. North Queensland.
,, Rayneri, Macleay. North Queensland.
Epichrysus lamprimoides, White. North Queensland.
Amblyterus cicatricosus, Gyllenh. New South Wales.
Schizognathus prasinus, Boisd. New South Wales.
Repsimus manicatus, Swartz. New South Wales.
,, æneus, Fab. Queensland.
Cacochroa gymnopleura, Fischer. New South Wales
,, ,, var. concolor. New South Wales
Eupœcila Australasiæ, Don. New South Wales.
Chlorobapta frontalis, Don. New South Wales.
Polystigma punctata, Don. New South Wales.
Metallesthes metallescens, White. South Australia.
Micropœcila cincta, Don. New South Wales.
Platedelosis Bassii, White. New South Wales.
Schizorrhina pulchra, Macleay. Queensland.
,, atropunctata, Kirby. New South Wales.
Dilochrosis torridus, Janson. North-west Australia.
Diaphonia dorsalis, Don. New South Wales.
Melobastes xanthopyga, Germ. New South Wales.

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Group CXLIX—Class 851: Higher Education.

CASE 4.—COLEOPTERA—*continued.*

Family Scarabæidæ—continued.

Trichaulax Philipsii, Shreib. New South Wales.
Hemipharis insularis, Gory and Perch. North Queensland.
Lomaptera Yorkiana, Janson. North Queensland.
,, cinnamonea, Raffr. North Queensland.
Glycyphana brunnipes, Kirby. New South Wales.
Pericoptus sp. ? West Australia.
Chiroplates sp. ? New South Wales.
Xylotrupes sp. ? Queensland.
Cavonus armatus, Sharp. South Australia.

CASE 5.

COLEOPTERA.

Family Buprestidæ.

Cyria imperialis, Donov. New South Wales.
Diadoxus scalaris, Lap, and Gory. South Australia.
,, erythrurus, White. South Australia.
Chalcophora pistor, Lap and Gory. North Queensland.
,, venerea, Thoms. North Queensland.
Nascio vetustus, Boisd. New South Wales.
,, simillima, v.d. Poll. Queensland.
Astræus crassus, v.d. Poll. New South Wales.
,, Samoullei, Saund. New South Wales.
Torresita Chrysochloris, Lap and Gory. New South Wales.
Melobasis cupriceps, Kirby. New South Wales.
,, nervosa, Boisd. New South Wales.
,, simplex, Germ. South Australia.
,, splendida, Donov. New South Wales.
Curis aurifera, Lap, and Gory. New South Wales.
,, caloptera, Boisd. New South Wales.
Julodimorpha Bakewelli, White. South Australia.
Stigmodera variabilis, Donov. New South Wales.
,, ,, var. New South Wales.
,, ,, var. New South Wales.
,, tibialis, Waterh. South Australia.
,, Yarrelli, Lap, and Gory. South Australia.
,, semicincta, Lap, and Gory. New South Wales.
,, undulata, Donov. New South Wales.
,, Pertyi, Lap, and Gory. New South Wales.
,, Klugi, Lap, and Gory. New South Wales.
,, nasuta, Saund. New South Wales.
,, sp ? South Australia.
,, abdominalis, Saund. New South Wales.
,, amplipennis, Saund. New South Wales.
,, Andersoni, Lap, and Gory. New South Wales.
,, luteipennis, Lap, and Gory. New South Wales.
,, Kirbyi, Guér. New South Wales.
,, mustelamajor, Thoms. Queensland.
,, producta, Saund. New South Wales.
,, rufipennis, Kirby. New South Wales.
,, costata, Saund. New South Wales.
,, vittata, Saund. South Australia.
,, heros, Gehin. South Australia.
,, grandis, Donov. New South Wales.
,, Sanguinosa, Hope. South Australia.
,, macularia, Donov. New South Wales.
,, flavocincta, Lap, and Gory. South Australia.
,, grata, Saund. South Australia.
,, erythroptera, Boisd. New South Wales.
,, Castelnaudi, Saund. South Australia.
,, Jekeli, Saund. South Australia.

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Group CXLIX—Class 851 : Higher Education.

CASE 5.—COLEOPTERA—*continued.*

Family Buprestidæ—continued.

Stigmodera balteata, Saund. New South Wales.
,, Burchelli, Lap, and Gory. New South Wales.
,, jospilola, Lap, and Gory. New South Wales.
,, elongatula, Macleay. New South Wales.
,, Sieboldi, Lap, and Gory. New South Wales.
,, rectifasciata, Saund. New South Wales.
,, pallidiventris, Lap, and Gory. South Australia.
,, australasiæ, Lap, and Gory. New South Wales.
,, gibbicollis, Saund. South Australia.
,, inconspicua, Saund. New South Wales.
,, amphichora, Boisd. New South Wales.
,, spilota, Lap, and Gory. New South Wales.
,, octomaculata, Saund. New South Wales.
,, bicincta, Boisd. New South Wales.
,, vertebralis, Boisd. New South Wales.
,, affinis, Saund. New South Wales.
,, Mitchelli, Hope. South Australia.
,, octospilota, Lap, and Gory. New South Wales.
,, cyanicollis, Boisd. New South Wales.
,, xanthopilosa, Hope. South Australia.
,, decemmaculata, Kirby. New South Wales.
,, vicina, Saund. New South Wales.
,, punctiventris, Saund. South Australia.
,, flavovaria, Saund. New South Wales.
,, apicalis, White. New South Wales.
,, assimilis, Hope. New South Wales.
,, bella, Saund. New South Wales.
,, cœruleiventris, Saund. New South Wales.
,, crenata, Donov. New South Wales.
,, spinolæ, Lap, and Gory.
,, sp? South Australia.
Chrysobothris atrata, Lap, and Gory. South Australia.
Cisseis nigripennis, Macleay. North West Australia.
,, apicalis, Macleay. North West Australia.
,, fulgidicollis, Macleay. North West Australia.
,, albo-sparsa, Lap, and Gory. Queensland.
,, cruciata, Fab. Queensland.
,, duodecemmaculata, Fab. New South Wales.
,, leucosticta, Kirby, New South Wales.
,, nubeculosa, Germ. New South Wales.
,, stigmata, Lap, and Gory. West Australia.
,, suturalis, Saund. Queensland.
Ethon corpulentus, Bohem. New South Wales.
,, affinis, Lap, and Gory. New South Wales.
Agrilus australasiæ, Lap, and Gory. New South Wales.
Cisseis acuducta, Kirby. New South Wales.
Bubastes inconsistans, Thoms. South Australia.
Melobasis vittigera, Thoms. South Australia.
,, sp. ? South Australia.

Family Cerambycidæ.

Cnemoplites sp. ? South Australia.
Agrionome gemella, Pascoe. Queensland.
Eurynassa Odewahni, Pascoe. South Australia.
Xixuthrus nycticorax, Thoms. North Queensland.
Sceleocantha glabricollis, Newm. New South Wales
Pachydissus sericus, Newm. New South Wales.
Phacodes obscurus, Fab. Tasmania.
Phoracantha fallax, Pascoe. New South Wales.
,, punctata, Don. New South Wales.
,, recurva, Newm. New South Wales.
,, semipunctata, Fab. New South Wales.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 851: Higher Education.

CASE 5.—COLEOPTERA—*continued.*

Family Cerambycidæ—continued.

Epithora dorsalis, W. S. Macleay. New South Wales.
Allotisis unifasciata, Hope. New South Wales.
Coptocercus aberrans, Newm. New South Wales.
,, bignttatus, Donov. New South Wales.
,, rubripes, Boisd. New South Wales.
Thoris eburifera, Pascoe. Queensland.
Skeletodes tetrops, Newm. New South Wales.
Adrium artifex, Newm. New South Wales.
Tessaromma undatum, Newm. New South Wales.
Strongylurus thoracicus, Pascoe. New South Wales.
Uracanthus bivittata, Newm. New South Wales.
,, triangularis, Hope. New South Wales.
Rhagiomorpha concolor, W. S. Macleay. New South Wales.
Stenoderus suturalis, Oliv. New South Wales.
Syllitus grammicus, Newm. New South Wales.
Trichomesia, Newmani. Pascoe. New South Wales.
Hesthesis acutipennis, Pascoe. New South Wales.
,, cingulata, Kirby. New South Wales.
,, variegata, Fabr. New South Wales.
Distichocera maculicollis, Kirby. New South Wales.
Eroschema Poweri, Pascoe. New South Wales.
Pytheus pulcherrimus, Pascoe. Queensland.
,, latebrosus, Newm. Tasmania.
Tragocerus bidentatus, Donov. New South Wales.
Aphanasium australe, Boisd. New South Wales.
Pempsamacra dispersa, Newm. New South Wales.
,, subaurea, Pascoe. New South Wales.
Obrida fascialis, White. New South Wales.
Hemisthocera flavilinea, Newm. Lord Howe Island.
Clytus australis, Lap, and Gory. Queensland.
,, Curtisi, Lap, and Gory. Queensland.
Acrocyrta chrysoderes, White. Queensland.
Aridæus thoracicus, Don. New South Wales.
Ectosticta cleroides, White. New South Wales.
Purpuricenus Angasi, White. North Queensland.
,, quadrinotatus, White. North Queensland.
Temnosternus planiusculus, White. New South Wales.
Athemistus rugosulus, Guér. New South Wales.
Blax Wollastoni, White. Lord Howe Island.
Monohammus fistulator, Germ. New South Wales.
,, mixtus, Hope. North Queensland.
Callipyrga turrita, Newm. Queensland.
Velora sordida, Pascoe. Queensland.
Hebecerus anisocera, Pascoe. Queensland.
,, australis, Boisd. New South Wales.
,, marginicollis, Boisd. New South Wales.
,, crogogaster, Boisd. New South Wales.
Monohammus sp. ? North Queensland.
Zygocera luctuosa, Pascoe. North Queensland.
,, lugnbris, Pascoe. New South Wales.
,, plumifera, Pascoe. Queensland.
,, pruinosa, Boisd. New South Wales.
Cyocyphax praonetoides, Thoms. North Queensland.
Praonetha pleuricausta. North Queensland.
Lychrosis luctuosus, Pascoe. North Queensland.
Hathliodes quadrilineatus, Hope. North Queensland.
Micracantha misella, Pascoe. New South Wales.
,, oblita, Pascoe. Queensland.
,, Woodlarkiana, Montrouz. Queensland.
Atyporus intercalaris, Pascoe. North Queensland.
Menyllus maculicornis, Pascoe. North Queensland.
Zygrita diva, Thoms. North Queensland.

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Group CXLIX—Class 851 : Higher Education.

CASE 5.—COLEOPTERA—*continued.*

Family Cerambycidæ—continued.

Corrhenes cruciata, Pascoe. Queensland.
,, paulla, germ. South Australia.
Apomecyna histrio, Fab. North Australia.
Pentacosmia sp. ? Tasmania.
Symphyletes abbocincta, Guér. New South Wales.
,, cinnamonea, Pascoe. Queensland.
,, farinosus, Pascoe. New South Wales.
,, munitus, Pascoe. Queensland.
,, neglectus, Pascoe. Queensland.
,, pulverulens, Boisd. New South Wales.
,, vicarius, Pascoe. Queensland.
,, Solandri, Fabr. New South Wales.
,, nigrovirens, Don. New South Wales.
,, sp. ? North Queensland.
Platyomopsis obliqua, Don. New South Wales.
Penthea picta, Pascoe. South Australia.
,, vermicularia, Don. New South Wales.
Rhytiphora argus, Pascoe. Queensland.
Monohammus sp. ? North Queensland.
Batocera læna, Thoms. North Queensland.

CASE 6.

COLEOPTERA.

Family Curculionidæ.

Prypnus quinquenodosus, Gyll. New South Wales.
,, squalidus, Gyll. New South Wales.
Catasarcus Hopei, Fahrs. West Australia.
,, impressipennis, Boisd. West Australia.
,, transversalis, Germ. South Australia.
Pachyrrhynchus australasiæ, Bohem. North Queensland.
Polyphrades paganus, Bohem. New South Wales.
Cherrus ebeninus, Fahrs. New South Wales.
Leptops fera, Pascoe. North Queensland.
,, Hopei, Fahrs. New South Wales.
,, quadrituberculatus, Bohem. New South Wales
,, spinosa, Fahrs. West Australia.
,, superciliaris, Pascoe. Queensland.
,, tribulus, Fab. New South Wales.
,, sp. ? North Australia.
Zymaus binodosus, Pascoe. Queensland.
Amisallus Whitei, Waterh. Queensland.
Psalidura forficulata, Macleay. Queensland.
,, Howitti, Macleay. Victoria.
,, impressa, Boisd. Tasmania.
,, Mastersi, Macleay. Queensland.
Talaurinus caviceps, Macleay. South Australia.
,, exasperatus, Erich. Victoria.
,, morbillosus, Boisd. Victoria.
,, Riverinæ, Macleay. New South Wales.
,, rudis, Macleay. New South Wales.
,, semispinosus, Bohem. West Australia.
,, spinosus, Macleay. West Australia.
,, Victoriæ, Macleay. Queensland.
Sclerorrhinus Adelaidæ, Macleay. South Australia.
,, Germari, Macleay. South Australia.
,, horridus, Macleay. South Australia.
,, longus, Macleay. South Australia.
,, pilularius, Macleay. South Australia.
,, subcostatus, Macleay, New South Wales.
,, sublineatus, Germ. South Australia.
Amycterus, Boisduvali, Dup. West Australia.
Acantholophus amycteroides, Macleay. West Australia.

Department L.—Liberal Arts, Education, Literature, &c.

Group CXLIX—Class 851 : Higher Education.

CASE 6.—COLEOPTERA—*continued.*

Family Curculionidæ—continued.

Acantholophus aureolus, Bohem. West Australia.
,, crassidens, Macleay. West Australia.
,, Marshami, Kirby. New South Wales.
,, hypoleucus, Bohem. West Australia.
,, hystrix, Bohem. West Australia.
Cubicorrhynchus calcaratus, Macleay. South Australia.
Hyborrhynchus cænosus, Bohem. West Australia.
,, maculatus, Macleay. West Australia.
Euomus Stephensi, Gyll. West Australia.
Dialeptopus monachus, Pascoe. South Australia.
Mythites pithecius, Pascoe. New South Wales.
Dysostines valgus, Pascoe. New South Wales.
Oxyops fasciatus, Boisd. New South Wales.
,, fasciculata, Redtenb. New South Wales.
,, squamulosa, Bohem. New South Wales.
Bryachus squamicollis, Pascoe. Queensland.
,, subfasciatus, Jekel. South Australia.
Gonipterus balteatus, Pascoe. Queensland.
,, suturalis, Gyll. New South Wales.
Rhinoplethes foveatus, Pascoe. West Australia.
Aterpus cultratus, Fabr. New South Wales.
,, griseatus, Pascoe. Queensland.
,, tuberculatus, Gyll. New South Wales.
Pelororrhinus angustatus, Fahrs. New South Wales.
Rhinaria diversa, Pascoe. West Australia.
,, granulosa, Fahrs. Tasmania.
,, rugosa, Boisd. New South Wales.
Lixus Mastersi, Pascoe. New South Wales.
Chrysolophus spectabilis, Fabr. New South Wales.
Orthorrhinus Klugi, Bohem. New South Wales.
,, cylindrirostris, Fabr. New South Wales.
Tranes internatus, Pascoe. New South Wales.
,, sparsus, Bohem. New South Wales.
Belus bidentatus, Donov. New South Wales.
,, brunneus, Guér. South Australia.
,, semipunctatus, Fabr. New South Wales.
,, plagiatus, Pascoe. Queensland.
Belus scalaris, Germ. South Australia.
,, suturalis, Boisd. South Australia.
Rhinotia hæmoptera, Kirby. New South Wales.
Eurhynchus acanthopterus, Boisd. New South Wales.
,, lævior, Kirby. New South Wales.
,, muricatus, Kirby. New South Wales.
Melanterius semiporcatus, Erichs. New South Wales.
Mecistocerus Mastersi, Pascoe. Queensland.
Poropterus Chevrolati, Waterh. Queensland.
,, ellipticus, Pascoe. New South Wales.
Tragopus plagiatus, Pascoe. Queensland.
Petosiris subereus, Pascoe. Queensland.
Axionicus insignis, Pascoe. Queensland.
Euthyrrhinus meditabundus, Fabr. New South Wales.
Perissops ocellatus, Redt. Queensland.
Aonychus Hopei, Bohem. South Australia.
Enteles Vigorsi, Gyll. Queensland.
,, sp.? North Queensland.
Blepiarda undulata, Pascoe. Queensland.
Mecopus sp.? North Queensland.
Sipalus sp.? North Queensland.
Trigonotarsus rugosus, Boisd. New South Wales.
Sphenophorus sp.? New South Wales.
,, sp.? Queensland.
Diathetes morio, Pascoe. North Queensland.

CASE 6.—COLEOPTERA—*continued.*

Family Brenthidæ.

Brenthus sp.? North Queensland.
Ectocemus pterygorrhinus, Gestro. North Queensland.

Family Anthribidæ.

Ozotomerus Waterhousei, Pascoe. Queensland.

Family Tenebrionidæ.

Ceropria peregrina, Pascoe. North Queensland.
Acthosus Westwoodi, Pascoe. North Queensland.
Toxicum punctipenne, Pascoe. Queensland.
Encara floccosus, Pascoe. Queensland.
Pterohelæus bullatus. Pascoe. New South Wales.
,, nitidissimus, Pascoe. South Australia.
,, peltatus, Breme. New South Wales.
,, piceus, Kirby. New South Wales.
,, vicarius, Pascoe. New South Wales.
,, cornutus, Macleay. Queensland.
,, costatus, Macleay. North-west Australia.
,, dispersus, Macleay. New South Wales.
,, pusillus, Macleay. North Queensland.
Helæus moniliferus, Pascoe. South Australia.
,, sp.? South Australia.
,, echinatus, Hope. New South Wales.
Saragus exulans, Pascoe. Lord Howe Island.
Saragus Gulielmi, Olliff. Lord Howe Island.
,, lævicollis, Oliv. Tasmania.
,, brunnipennis, Macleay. West Australia.
,, reticulatus, Haag-Rutenb. North Queensland.
Nyctozoilus reticulatus, Bates. New South Wales.
Asphalus ebeninus, Pascoe. New South Wales.
Hypaulax acutangulus, Bates. South Australia.
,, oblonga, Bates. New South Wales.
Nyctobates vulgaris, Olliff. Lord Howe Island.
,, sterrha, Olliff. Lord Howe Island.
,, crenata, Boisd. New South Wales.
Ephidonius acuticornis, Pascoe. South Australia.
Tenebrio australis, Boisd. New South Wales.
Cholipus atroviridis, Macleay. North Queensland.
Mærodes Westwoodi, Macleay. New South Wales.
Paraphanes nitidus, Macleay. North Queensland.
Lepispilus suleicollis, Boisd. Tasmania.
Cardiothorax caperatus, Pascoe. New South Wales.
,, encephalus, Pascoe. Queensland.
,, egerius, Pascoe. New South Wales.
,, Howitti, Pascoe. New South Wales.
,, Macleayi, Pascoe. New South Wales.
,, Walcknæri, Hope. New South Wales.
Otrintus Behrii, Germ. New South Wales.
Adelium striatum, Pascoe. Queensland.
,, sp? Queensland.
,, augurale, Pascoe. Queensland.
,, abbreviatum, Boisd. Tasmania.
,, commodum, Pascoe. Tasmania.
,, convexiusculum, Macleay. Queensland.
,, neophyta, Pascoe. Victoria.
,, parallelum, Germ. South Australia.
,, porcatum, Fabr. New South Wales.
,, viridipenne, Macleay. Queensland.
,, rugosicolle. Boisd. New South Wales.
,, vicarium, Pascoe. West Australia.

CASE 6.—COLEOPTERA—*continued.*

Family Tenebrionidæ—continued.

Sierotrana catenulata, Boisd. New South Wales.
Pseudhelops deplanatus, Boisd. Tasmania.
Omolipus corvus, Pascoe. Queensland.
Amarygmus sp.? North Queensland.
,, sp.? North Queensland.
Cardiothorax crenulicollis, Bates. North Queensland.
Homotrysis tristis, Germ. New South Wales.
Tanychilus striatus, Newm. New South Wales.
Lagria grandis, Gyll. New South Wales.
,, sp.? New South Wales.
,, albovillosa, Macleay. North Queensland.
Mordella leucosticta, Germ. New South Wales.
,, elongatula, Macleay. North Queensland.
Pelecotomoides conicollis, Casteln. New South Wales.
,, marmorata, Macleay. North Queensland.
Atractus columbinus, Boisd. New South Wales.
,, viridis, Boisd. New South Wales.
,, vittipennis, Macleay. New South Wales.
Homotrysis microderes, Pascoe. New South Wales.
Emanadia cucullata, Macleay. North Queensland.

Family Chrysomelidæ.

Aspidomorpha denusta, Fabr. North Queensland.
,, sp.? North Queensland.
Carpophagus Banksiæ, W. S. Macleay. New South Wales.
Mecynodera coxalgica, Boisd. New South Wales.
Lamprolina æneipennis, Boisd. New South Wales.
Æsernia australica, Jacoby. North Queensland.
Phyllocharis flexuosa, Baly. New South Wales.
,, cyanicornis, Fabr. New South Wales.
,, cyanipes, Fabr. North Australia.
Cyclomela nitida, Baly. New South Wales.
Cadmus gigas, Oliv. New South Wales.
Marseus vittatus, Blanch. North Queensland.
Calomela ruficeps, Boisd. New South Wales.
Paropsis sp.? North Queensland.
,, liturata, Marsh. New South Wales.
,, octomaculata, Marsh. New South Wales.
,, sexpustulata, Marsh. New South Wales.
,, variolosa, Marsh. New South Wales.
,, picea, Oliv. New South Wales.
,, polyglypta, Germ. New South Wales.
,, marmorea, Oliv. New South Wales.
,, pictipennis, Bohem. New South Wales.
Galerucella australis, Bohem. New South Wales.
Candezea sculpta, Blackb. North Queensland.
Oides dorsosignata, Clark. North Queensland.
Podontia nigrovaria, W. S. Macleay. North Queensland.
Mycella sp.? North Queensland.

Family Coccinellidæ.

Epilachna, 26 punctata, Dej. North Queensland.
,, guttato-pustulata, Fabr. North Queensland.
Coccinella arcuata, Fabr. North Queensland.
Neda testudinaria, Muls. New South Wales.

1220. COMMISSIONERS FOR NEW SOUTH WALES, Sydney.

"University Life in Australia," a pamphlet, by Professor Anderson Stuart, University of Sydney.

Group CL.—Literature, Books, Libraries, Journalism.

CLASS 854.—Books and Literature, with special examples of Typography, Paper, and Binding. General Works—Philosophy, Religion, Sociology, Philology, Natural Sciences, Useful Arts, Fine Arts, Literature, History, and Geography; Cyclopædias, Magazines, and Newspapers; Bindings, Specimens of Typography.

1221. **ANGUS & ROBERTSON**, 89, Castlereagh-street, Sydney.
Photograph showing interior of the premises occupied by Exhibitors as Booksellers' shop.

1222. **AUSTRALIAN BREWERS' JOURNAL**, 74, Pitt-street, Sydney.
Volume of the *Australian Brewers' Journal*.

1223. **CHIEF SECRETARY OF NEW SOUTH WALES** (The Honourable Sir George Dibbs, K.C.M.G., M.P., &c.), Sydney.
"A Geographical Encyclopædia of New South Wales," by William Hanson, A.L.S., Lond. (formerly Government Printer of New South Wales).

1224. **COMMISSIONERS FOR NEW SOUTH WALES**, Sydney.
"The Physical Geography and Climate of New South Wales," a pamphlet, by Henry Chamberlaine Russell, B.A., C.M.G., F.R.A.S., Government Astronomer of New South Wales.

1225. **COMMISSIONERS FOR NEW SOUTH WALES**, Sydney.
"Comments on Captain Cook's Log," by Philip Gidley King, M.L.C.

1226. **COMMISSIONERS FOR NEW SOUTH WALES**, Sydney.
"Handbook of New South Wales Flora," by Charles Moore, F.L.S., &c. Director of Botanic Gardens, Sydney.

1227. **COMMISSIONERS FOR NEW SOUTH WALES**, Sydney.
Specimen of Typewriting.

1228. **DYMOCK**, William, 428, George-street, Sydney.
Photographic view of Exhibitor's Book Arcade.

Department L.—Liberal Arts, Education, Literature, &c.

Group CL—Class 854: Books and Literature, &c.

1229. **MYERS, Mark, Clifton Lodge, Paddington-street, Sydney.**

Copy of "Rienzi" written in Phonography.

1230. **PALMER, Harry, "Chard," 29, Arthur-street, Surry Hills, Sydney.**

Nine original unpublished "Sketches" from the comedies of Shakespeare, typewritten from the manuscripts of the author (who is exhibitor), and bound to form a single volume. The "Sketches" have been specially composed for the World's Columbian Exposition.

1231. **PICTURESQUE ATLAS PUBLISHING CO. (Limited), 14, Wynyard-square, Sydney.**

1. "The Picturesque Atlas of Australasia." Edited by Andrew Garran, M.A., LL.D.:—

1 copy in 3 vols. scarlet morocco extra. Published price, £18.
1 do light maroon morocco extra. Published price, £18.
1 do purple morocco. Published price, £17 5s.

2. Eighty selected specimen proof Engravings, from the "Picturesque Atlas of Australasia":—

1. Hay Stacks, near Gawler, South Australia.
2. Anthony Van Diemen.
3. Hargraves, the Discoverer of Gold in Australia.
4. Carved Gateway of an old Pah, New Zealand.
5. Lake Pukaki, New Zealand.
6. Church of Nukualofa, Tonga.
7. Methodist Ladies' College, Hawthorn, Victoria.
8. Charles Todd, South Australia.
9. Hargraves Discovering Gold in New South Wales.
10. Adelaide in 1836.
11. Knox's Presbyterian Church, Dunedin, New Zealand.
12. Putapa Cutting, Flinders' Range, South Australia.
13. The Herbert River, Queensland.
14. General Cameron.
15. Sir Thomas Brisbane, New South Wales.
16. Rabbit Coursing, Victoria.
17. Bales Hut, South Australia.
18. Anglican Church, Armidale, New South Wales.
19. Museum and High School, Dunedin, New Zealand.
20. Rev. Samuel Marsden Landing at the Bay of Islands.
21. Mount Cook, New Zealand.
22. Timaru, New Zealand.
23. Interior of the Princess Theatre, Melbourne.
24. Nôtre Dame Rocks, New Caledonia.
25. Sir George Grey.
26. Transhipping Cargo, Keppel Bay, Queensland.
27. Rounding-up a Straggler.
28. Otira Gorge, New Zealand.
29. Launceston, Tasmania.

30. School Children Travelling on the Railway.
31. Terrace of the Bealey, New Zealand.
32. Post Office Colonnade, Sydney.
33. In the Botanic Gardens, Adelaide.
34. Ascent of Hochstetter Dome, New Zealand.
35. An Avalanche in the Southern Alps, New Zealand.
36. Scenes on the Buller Road, New Zealand.
37. The Museum, Christchurch, New Zealand.
38. The Ranger, Mount Cook, New Zealand.
39. Stage for a Maori Festival, New Zealand.
40. Milford Sound, New Zealand.
41. Kanaka Weapons, New Caledonia.
42. The Bluff.
43. Telescope, Sydney Observatory, New South Wales.
44. Wine Cellar, South Australia.
45. The Barron River, near Cairns, Queensland.
46. Nelson, New Zealand.
47. Government Buildings and Parliament House, Wellington, New Zealand.
48. The French Pass, New Zealand.
49. Captain Cook's Landing Place, Botany Bay, New South Wales.
50. Sir W. Jervois, ex-Governor of New Zealand.
51. Hoisting the British Flag at Akaroa, New Zealand.
52. Winner of the Melbourne Cup.
53. Skeletons of Moa and Maori, New Zealand.
54. A Prison Interior, New Caledonia.
55. Granite Rocks, Bett's Camp, Mount Kosciusko, New South Wales.
56. Bottle-tree, Queensland.
57. In the Gardens, Oamaru, New Zealand.
58. Thames-street, Oamaru, New Zealand.
59. Pulpit of English Cathedral, Christchurch, New Zealand.
60. The Queen's Statue, Brisbane, Queensland.
61. High-street, Christchurch, New Zealand.
62. Returning from the Hunt.
63. 70-mile Bush, near Wellington, New Zealand.
64. Redfern Railway-station, Sydney, New South Wales.
65. Eldon Bluff, Tasmania.
66. The Gardens of Acclimatization, Brisbane, Queensland.
67. The Queensland Club, Brisbane, Queensland.
68. The Burnett River, Bundaberg, Queensland.
69. Noumea, New Caledonia.
70. Humpy Bong, Queensland.
71. Townsville, Queensland.
72. Gathering Grapes, near Singleton, New South Wales.
73. Government House, Melbourne.
74. Cunningham's Gap, Queensland.
75. Mauku Battle-field, New Zealand.
76. Queenstown, New Zealand.
77. Moorhouse Statue, Christchurch, New Zealand.
78. The Australian Tramp.
79. Banana-tree, Queensland.
80. Tawhiao, the Maori King.

3. Twenty-five Maps from the "Picturesque Atlas of Australasia":—

1. Australia, General Map of.
2. Do Geological Map of.
3. New South Wales, General Map of.
4. Do Postal Map of.
5. Do Rainfall Map of.
6. Do Stock Route Map of.
7. Do Land Board Districts Map of.
8. Victoria, General Map of.
9. Do Postal Map of.
10. Do Rainfall Map.
11. South Australia, General Map of.
12. Do Postal and Rainfall Map of.
13. Queensland, General Mop of.
14. Do Postal and Rainfall Map of.
15. Western Australia, General Map of.
16. Tasmania, General Map of.
17. Do Postal Map of.
18. New Zealand—The North Island, General Map of.
19. Do Do Postal Map of.
20. Do The Middle Island, General Map of.
21. Do Do Postal Map of.
22. Fiji Islands, General Map of.
23. New Guinea, General Map of.
24. Oceania, General Map of.
25. Do Outline Map of.

1232. **TURNER & HENDERSON, Publishers, Sydney.**

"The Federal Geography of British Australasia," by George Ranken. (See Reference Library, New South Wales Court.)

CLASS 858.—Newspapers and Statistics of their Multiplication, Growth, and Circulation.

1233. **DAILY TELEGRAPH NEWSPAPER COMPANY, King-street, Sydney.**

1. Pen and Ink Sketch of the Arrival of the First Fleet in Port Jackson on the 26th January, 1788.
2. "The Press of Sydney, Past and Present," being two large pen and ink sketches, one giving fac-simile of the headings of all newspapers ever published in Sydney from 1803 to 1888, and the second giving similar representations of the existing Press of Sydney.
3. Files of *Daily Telegraph* from January 1st, 1892, for public reference.
4. Large Pen and Ink Sketch of the *Daily Telegraph* Office, King-street, Sydney, showing interior views of different departments.

1234. FAIRFAX & SONS, John, Proprietors of the "Sydney Morning Herald," "The Sydney Mail," and "The Echo"; Pitt and Hunter Streets, Sydney.

THE SYDNEY MORNING HERALD.

The usual Saturday's issue of the *Sydney Morning Herald*, containing 16 pages. Its composition consists of 31,635 ens long primer, 158,670 brevier, 274,547 minion, and 1,374,658 nonpareil, or a total of 1,839,510 ens. It is printed on reeled paper 87 in. wide; each reel weighs about 12½ cwt. of paper, 3⅓ miles in length.

Portrait of the late Hon. John Fairfax, M.L.C., founder of the firm of John Fairfax and Sons.

Photograph of the offices of the *Sydney Morning Herald*, the *Sydney Mail*, and the *Echo*, showing the original building and added premises, containing nearly an acre of floor space.

Section of the *Sydney Morning Herald* machine department, showing the first introduced Hoe and Co.'s double-supplement perfecting machine, which prints and folds complete copies of the *Herald*, ready for distribution, at a speed of 24,000 per hour.

Section of machine-room, showing No. 2 double-supplement machine at work.

STEREOTYPING DEPARTMENT.

Matrix (or papier-maché mould) used in stereotyping the *Sydney Morning Herald*—page 1, November 3, 1892.

Matrix of page 8, *Sydney Morning Herald*, November 3, 1892.

Matrix of the cover pages of the *Sydney Mail*, November 12, 1892.

Matrix of pp. 1070 and 1173 of the *Sydney Mail*, November 3, 1892.

Matrix of first page of the *Echo*, November 7, 1892.

Curved stereotype plate (from papier-maché matrix), first page *Sydney Morning Herald*, November 8, 1892—ready to be placed on cylinder of double web machine.

Curved plate of page 8, *Sydney Morning Herald*, November 8, 1892—ready for use.

Stereo. plate of two outside cover pages of the *Sydney Mail*, November 12, 1832, containing "displayed" and "pictorial" advertisements—ready for placement on the "Victory" machine.

Stereo. plate of two inside cover pages, *Sydney Mail*—ready for printing.

Stereo. plate of the first page of the *Echo*, November 7—ready for the Hoe single web machine.

Stereo. plate of last page of *Echo*, November 7, with electro plates and open matter—ready for machine.

COLOURED SUPPLEMENTS TO THE "SYDNEY MAIL."

"Summer Flowers"—Supplement to the *Sydney Mail*, Christmas, 1882.

"The Old, Old Story"—Supplement to the *Sydney Mail*, Christmas, 1884.

"Home Again"—"There's no place like Home"—Supplement to the *Sydney Mail*, Christmas, 1885.

"Christmas Bells," after a painting by Madam Roth—published in the *Sydney Mail*, Christmas, 1886.

"The Fisherman's Daughter"—Special Supplement to the *Sydney Mail*, July 5, 1890.

"The Dandelion Clock"—Supplement to the *Sydney Mail*, Christmas, 1890.

Supplement to the *Sydney Mail*, Christmas, 1891—

"Pour forth thy notes, sweet singer,
Wooing the stillness of the autumn day."

"The Stockrider's Return"—Supplement to the *Sydney Mail*, Christmas, 1892. Drawn by Percy Spence, Sydney, and printed by Messrs. Turner and Henderson, Sydney.

ORIGINAL DRAWINGS—(for the *Sydney Mail*, by Norman Hardy).

"Sketches at the recent Exhibition of the N.S.W. Poultry, Pigeon, Canary, and Dog Society"—*Sydney Mail*, August 6, 1892.

"Sketches at the Medical Congress"—*Sydney Mail*, October 8, 1892.

"Meeting of the Unemployed at the Queen's Statue, King-street, Sydney"—*Sydney Mail*, April 9, 1892.

"Christmas Party in the Country." For Christmas Number, 1892.

"Christmas in Australia"—Christmas, 1892.

WOOD ENGRAVINGS.

(Prepared from Sketches by *Sydney Mail* Artists, and engraved in the office.)

"Sydney Eight-Hours Demonstration" (October 15, 1892.)

"Mr. Hordern's New Yacht, Bronzewing" (March 19, 1892.)

"Peaches Bay, Huon River, Tasmania" (April 16, 1892).

"Intercolonial Eight-oar Race on Parramatta River" (April 11, 1892).

"Sketches in New Caledonia" (September 10, 1892).

"Railway Accident near Tarana" (March 7, 1892).

"The Racehorse Marvel" (April 30, 1892).

"The Stockman's Christmas Yarn" (December 27, 1892).

"View of Auckland Harbour, N.Z." (April 30, 1892).

"Football—N.S.W. *v.* Queensland" (August 29, 1892).

"Suspension Bridge, Nowra" (October 8, 1892).

"Modes of Transit—A Bullock Team" (July 30, 1892.)

"Sketches at the Fisheries Fair, Manly" (November 19, 1892).

"On the Tweed River" (February 27, 1892).

"Portrait of Major-General A. B. Tulloch, C.B. (July 2, 1892).

"Kiwi Birds, N.Z." (July 9, 1892).

"Snowstorm, Inverell" (October 27, 1892).

"A Waterfall in Samoa" (November 5, 1892).

"Modes of Transit—A Camel Team" (July 30, 1892).

"The Bathurst Park" (August 29, 1892).

"Wentworth Waterfall and Coalcliff" (December 27, 1892).

"Botanic Gardens, from the Australian Club" (December 17, 1892).

BOUND VOLUMES.—In ordinary binding for office use.

Vol. I.—The *Sydney Morning Herald* (8 to 16 pages), from January 1 to March 31, 1892.

Vol. II.—The *Sydney Morning Herald* (8 to 16 pages), from April 1 to June 30, 1892.

Vol. III.—The *Sydney Morning Herald* (8 to 16 pages), from July 1 to September 30, 1892.

Vol. IV.—The *Sydney Mail* (56 pages), from January 2 to March 26, 1892.

Vol. V.—The *Sydney Mail* (56 pages), from April 2 to June 25, 1892.

Vol. VI.—The *Sydney Mail* (56 pages), from July 2 to September 24, 1892.

Vol. VII.—The *Echo* (8 to 12 pages), from January 1 to March 31, 1892.

Vol. VIII.—The *Echo* (8 to 12 pages), from April 1 to June 30, 1892.

Vol. IX.—The *Echo* (8 to 12 pages), from July 1 to September 30, 1892.

FRAMED VIEWS.—Taken from the *Sydney Mail.*

"Retrospection."—On the occasion of the 30th Anniversary of the publication of the *Sydney Mail*, a special number of this journal was published. The engraving on view formed the frontispiece of the number.

"Sydney Town Hall and Organ."—This Town Hall is one of the largest municipal halls in the world, and probably one of the most beautiful. The organ is the largest in the world, containing six keyboards and 126 stops. The hall was crowded on the occasion of the opening of the organ. Mr. T. W. Best, organist, Liverpool, England, was specially engaged to come to Sydney to open the organ.

"In the Botanic Gardens, Sydney."—The artist in this picture has sketched one of the shadiest and prettiest of the many beautiful spots in the Sydney Botanical Gardens. The gardens lie at the head of Farm Cove, one of the charming indents of Sydney's harbour ; but the spot chosen for the subject of illustration is in the midst of palm trees and other tropical vegetation.

"New Hebrideans."—These ethnological studies are interesting as illustrating the effect of Christian teaching in islands that were formerly dominated by the savage. The photos. from which the engravings were made were taken by the Rev. J. H. Laurie, a missionary belonging to the Presbyterian Church.

"Sketches on the Clarence."—These are interesting as being connected with the great sugar-producing industry of the colony. One of the colonial sugar refining mills is established at Harwood Island, on the Clarence, and here great quantities of cane grown in the district are crushed, and the juices turned into sugar of various grades. The Ramornie meat works also do a very large business in the way of meat-preserving.

"The Strand Arcade" is one of the most recent additions to the street architecture of Sydney. It extends from Pitt-street to George-street, the two leading thoroughfares of Sydney.

"Sculling Championship."—This engraving represents a part of the championship course, on the Parramatta River, near Sydney. On this course many memorable aquatic contests have taken place, representatives of both Great Britain and America having competed for the Sculling Championship of the World. For many years that championship has been, and is still, held by a native of New South Wales.

"Views of New Caledonia."—These engravings were published in connection with the recent visit of Lady Jersey to the French penal settlement of New Caledonia, about 700 miles from Australia. Lady Jersey described her trip in the *Fortnightly Review* for October.

"The Unemployed."—In this engraving is depicted a scene that was common enough during the early part of the year when labour was scarce and numbers of unemployed were walking the streets of the city. The Queen's Statue at the top of King-street was a favourite rendezvous, and here speakers held forth by the hour.

"Sketch at the Annual Show of the Royal Agricultural Society of New South Wales."—The Society's Exhibitions are held annually, and bring together collections of some of the finest stock the colony can produce.

"By the Lake."—This is an electrotype from an engraving from the picture by F. B. Koch.

"Polo Match at Rosehill."—The dashing and spirited game of polo is taking a high place in the world of sport in New South Wales, and there are several clubs formed to promote the sport. The illustration depicts one of the scenes in a match between two of the leading clubs—Sydney and Muswellbrook—a player leading at a hearty pace, while the opposing team is racing after him to spoil his attack and send the ball down the field again. The match was played on the Rosehill Racecourse, about 13 miles from Sydney.

"An Execution in China, and the Prefect's Court, Canton."—These engravings are from photographs collected by the Hon. W. J. Trickett, M.L.C. in the course of his trip to China and Japan. An interesting series of sketches of his trip were published in the *Sydney Mail*, and were accompanied by numerous illustrations, the two now on view being selected as typical of them all.

"Lyttelton, New Zealand."—The colony of New Zealand abounds with picturesque scenery. There is scarcely a township that is not charmingly situated, either as to hills or water. Lyttelton seems to have been specially favoured by nature. The town lies in nearly the coast centre of Middle Island, and is the port for Christchurch, about eight miles inland.

"Artists' Sketch."—This represents one of Sydney's favourite seaside resorts, Bondi. The tower in the top sketch is a ventilating shaft of the main sewer, through which the drainage of Sydney passes into the ocean a distance of about three miles.

"Portraits of Members of the Australasian Federation Convention."—On March and April of 1891, a Convention of delegates from each colony of Australia and New Zealand assembled in Sydney, under the title of "The National Australasian Convention," to consider and report upon an adequate scheme for the union of the colonies under one legislative and executive government. The result was the adoption of a bill to constitute the Commonwealth of Australia. But this measure has not yet been adopted by the colonies. There were 46 delegates, whose portraits are shown in the engraving.

"Mossman's Bay."—This is one of the very many pretty indents of Sydney Harbour. It lies opposite the city, and is a favourite picnic resort.

"Proposed Free Library."—It was under contemplation by the Government some years ago to erect a building for the purposes of a free library and art gallery. The design presented in the lithograph is the one which found most favour with the Government and the public.

1235. **"TOWN AND COUNTRY JOURNAL," Market-street, Sydney.**

Picture illustrating the *Town and Country Journal* and *Evening News* Offices, and pourtraying the exterior and interior of the various Offices and Departments.

CLASS 862.—Directories of Cities and Towns.

1236. **TURNER & HENDERSON, Publishers, Sydney.**

The New South Wales Municipal Directory and Local Government Blue Book for 1892–3, compiled from Official and Authoritative Sources. (See Reference Library in New South Wales Court.)

CLASS 864.—Topographical Maps. Marine and Coast Charts; Geological Maps and Sections; Botanical, Agronomical, and other Maps, showing the extent and distribution of men, animals, and terrestrial products; Physical Maps; Meteorological Maps and Bulletins; Telegraphic Routes and Stations; Railway and Route Maps; Terrestrial and Celestial Globes, Relief Maps and Models of portions of the Earth's Surface, Profiles of Ocean Beds and Routes of Submarine Cables.

1237. **CADELL, Frederick A., Hamilton Road, Hamilton.**

Map of the County of Northumberland, New South Wales.

1238. **FROST, Douglas James, District Survey Office, Grafton.**

Map of the Clarence River, New South Wales.

Department L.—Liberal Arts, Education, Literature, &c.

Group CL—Class 864 : Topographical Maps.

1239. **HIGINBOTHAM & ROBINSON, 62, Elizabeth-street, Sydney.**

Series of Maps, with Statistical Diagrams—

1. Ashfield, Real Estate Map *a*
2. Balmain do *b*
3. Burwood do *c*
4. Concord do *d*
5. North Sydney do *e*
6. Hunter's Hill do *f*
7. Katoomba do *g*
8. Petersham do *h*
9. West Maitland do *i*
10. Woollahra do *j*
11. Willoughby do *k*
12. Randwick do *l*
13. Botany do *m*
14. The Glebe, &c. do *n*
15. Bourke Pastoral Holdings Map *o*
16. Port Phillip, &c., General Map *p*
17. Electoral, N.S.W., Political Map *q*
18. Gordon Real Estate Map *r*
19. Thirty-six Directory Maps.

1240. **SECRETARY FOR LANDS (Hon. Henry Copeland, M.P.) Sydney.**

Series of Maps prepared in the Survey Branch of the Department of Lands.

1. Map of the Parish of Uringalla, County of Argyle, showing alienation in the Eastern Division. (Photo-lithograph.)
2. Map of the Parish of Umangala, County of Ewenmar, showing alienation in the Central Division. (Photo-lithograph.)
3. Map of the County of Murray, in the Eastern Division. (Photo-lithograph.)
4. Railway Map of New South Wales. (Lithograph.)
5. Map of Australia, showing relative position of New South Wales with the other Colonies. (Hand drawn.)
6. Map of the City of Sydney. (Lithograph.)
7. Map of New South Wales, showing Territorial Divisions, Land Board, and Land Districts. (Lithograph.)
8. Map of the City of Sydney and Environs. (Specimen of Lithography and Colour Printing.)
9. Map of the County of Caira, Western and Central Divisions. (Photo-lithograph.)
10. Postal Map of New South Wales. (Lithograph.)
11. Map of the Town of Kiama. (Photo-lithograph.)
12. Map of the Town of Young. Do.

Group CLI.—Instruments of Precision, Experiment, Research, and Photography. Photographs.

CLASS 871.—Photographic Apparatus and Accessories. Photographs.

1241. COMMISSIONERS FOR NEW SOUTH WALES, Sydney.

Series of Photographs, illustrating the City of Sydney and neighbourhood. Prepared by the Government Printer (Charles Potter).

1. Panorama of City and Harbour of Sydney, from North Sydney. 21 feet 6 inches x 30 inches.
2. Panorama of Sydney, looking East from Tower of General Post Office. 15 feet x 30 inches.
3. Panorama of Sydney, looking West from Tower of General Post Office. 15 feet x 30 inches.
4. Panorama of Sydney, looking East, in 1885. 11 feet 6 inches x 21 inches.
5. Panorama of Sydney, looking West, in 1885. 11 feet 6 inches x 21 inches.
6. Panorama of Sydney, looking West, in 1892. 11 feet 6 inches x 21 inches.
7. Panorama of Sydney, looking East, in 1892. 11 feet 6 inches x 21 inches.
8. Government House, from Inner Domain.
9. Do. from Mrs. Macquarie's Chair.
10. Do. Interior View.
11. Do. do.
12. Do. do.
13. Do. do.
14. Do. do.
15. Government Offices, from Inner Domain.
16. Do. from Phillip-street.
17. Do. Colonial Secretary's Room.
18. Do. Minister for Works' Room.
19. Do. Public Board Room.
20. Do. Executive Council Chamber.
21. Do. do. do.
22. The Lands Office.
23. The Treasury.
24. The Custom House.
25. Parliament Houses.
26. The Mint.
27. Free Public Library.
28. Do. do. Interior View.
29. Do. do. do.

Department L.—Liberal Arts, Education, Literature, &c.

Group CLI—Class 871: Photographs.

30. General Post Office. 60 x 40 inches.
31. Do.
32. Statuary over Main Entrance, General Post Office.
33. Principal Staircase, do.
34. Do. do.
35. Arch, do.
36. Do. do.
37. Grey Granite Column, do.
38. Polishing Granite Columns for do.
39. The Supreme Court.
40. The Registrar-General's Office.
41. The Australian Museum.
42. Entrance Gates, University Grounds.
43. The Sydney University.
44. Do.
45. Do.
46. The Medical School,
47. Do. Private Laboratory,
48. Do. Junior do.
49. Do. Senior do.
50. Do. Lecture Room,
51. Do. Preparation Room,
52. St. Paul's College, Church of England,
53. Do. do. do.
54. St. John's do. Roman Catholic,
55. St. Andrew's do. Presbyterian,

Affiliated to the University.

56. Government Printing Office.
57. Metropolitan Fire Station.
58. The Benevolent Asylum.
59. Asylum for the Insane, Callen Park.
60. Do. do. Gladesville.
61. Asylum for the Aged and Infirm, Newington.
62. Deaf, Dumb, and Blind Institution, Newtown.
63. Industrial Blind Institution, Sydney (interior view).
64. Do. do. do. do.
65. The Crown-street Public School.
66. The Garden Palace. (Exhibition Building, 1879–80.)
67. Do.
68. Do.
69. Do.
70. Do. from Fort Denison.
71. Do. Interior View, the Dome.
72. Do. do. the Nave, looking north.
73. Do. do. the European Court.
74. Do. do. the American Court.
75. Do. do. United States Court.
76. Do. do. Asia and Europe.
77. Do. do. African Court.
78. Do. do. New Zealand Court.
79. Do. from Macquarie-street.
80. View from Darlinghurst, showing the Garden Palace and Grounds.

81. Entrance Gates to the Garden Palace Grounds.
82. Do. do. do.
83. Garden Palace Grounds.
84. Do. do. showing the Harbour.
85. Do. do. do.
86. Prince Alfred Hospital.
87. Do.
88. Do. Back View.
89. Do. do.
90. Do. Interior View.
91. Do. do.
92. Do. do.
93. Do. do.
94. George-street, looking South, from Paling's Warehouse.
95. Do. do. from Bathurst-street.
96. Do. do. North, from Christ Church.
97. Pitt-street, looking South, from the Exchange.
98. Do. do. from Hunter-street.
99. Bridge-street, looking East, from George-street.
100. Gresham-street, looking East, from Pitt-street.
101. Loftus-street, looking South, from the Circular Quay.
102. O'Connell-street, looking South, from Bent-street.
103. Bligh-street, looking north, from Hunter-street.
104. Elizabeth-street, looking south, from Hunter-street.
105. Phillip-street, looking north, from Bridge-street.
106. Do. do. south, from Hunter-street.
107. Castlereagh-street, looking north, from Moore-street.
108. King-street, looking west, from Castlereagh-street.
109. Do. do. east, from York-street.
110. Chancery Square.
111. York-street, looking south, from Barrack-street.
112. Do. do. do. Wynyard-square.
113. Do. showing M'Arthur & Co.'s Warehouse.
114. Clarence-street, showing the Grand Central Coffee Palace.
115. Do. looking north, from Erskine-street.
116. Barrack-street, looking east, from York-street.
117. Martin-place, showing the system of wood blocking for streets.
118. Do. do. do.
119. Do. do. do.
120. Oxford-street, looking east, from Hyde Park.
121. The Town Hall.
122. Do. showing the Centennial Hall.
123. Interior view of the Centennial Hall.
124. Sydney Exchange and Chamber of Commerce.
125. Australian Joint Stock Bank.
126. Bank of New South Wales.
127. Commercial Bank.
128. Savings Bank.
129. National Bank of Australasia.
130. Bank of Australasia.
131. Bank of New Zealand.
132. E. S. and A. C. Bank.

133. London Chartered Bank.
134. Union Bank.
135. Austral Bank and Land Proprietary.
136. St. Andrew's Cathedral.
137. St. Mary's Cathedral.
138. St. Phillip's Church.
139. St. James' Church.
140. Unitarian Church.
141. View on the route of the Sydney Water Supply.
142. Do. do.
143. Do. do.
144. Do. do.
145. Do. do.
146. Do. do.
147. Do. do.
148. Do. do.
149. The Macquarie Lighthouse (the old and new one).
150. Sydney from Hôtel Métropole.
151. View from top of the General Post Office, looking towards the Heads.
152. Manly Beach.
153. Do.
154. Double Bay.
155. Potts' Point, from the Domain.
156. Middle Harbour.
157. Do.
158. Do. The Spit.
159. Sydney Harbour, from Macquarie-street.
160. Do. from Garden Palace Grounds.
161. Do. do.
162. Circular Quay—Departure of one of the Orient Mail Steamers.
163. Do. do. New South Wales Contingent for the Soudan.
164. Do. from Dawes' Point.
165. Do. from Custom House.
166. Do. from Hill, Clarke, & Co.'s Wool Stores.
167. Woolloomooloo Bay, from Mrs. Macquarie's Chair.
168. Wharves at Darling Harbour.
169. Champion Rowing Course, from the "Brothers," Parramatta River.
170. Searle's Monument, Parramatta River.
171. Sutherland Dry Dock, Cockatoo Island.
172. Do. do.
173. Town Hall, Balmain.
174. Statue of Queen Victoria.
175. Do. Queen Victoria and Prince Albert.
176. Do. Prince Albert.
177. Do. William Charles Wentworth.
178. Do. Captain Cook.
179. Do. Governor Bourke.
180. Do. Dr. Lang.

181. Statue of T. S. Mort.
182. Unveiling of Dr. Lang's Statue.
183. Captain James Cook.
184. Captain Cook proclaiming New South Wales a British possession.
185. Birthplace of Captain Cook.
186. Death of Captain Cook.
187. Sydney Cove in 1788.
188. Do.
189. Town of Sydney in 1810, East View.
190. Do. West View.
191. Do. 1803, do.
192. Sydney Cove in 1804.
193. Fort Macquarie, Sydney Harbour, in 1837.
194. Macquarie Lighthouse in 1837.
195. Sydney Cove in 1842.
196. Do.
197. The First Government House in Sydney.
198. Government House in 1833.
199. Part of Sydney Harbour in 1823.
200. Governor's House, Rose Hill, 1790.
201. The Town of Sydney, 1823.
202. Entrance to Port Jackson and part of Sydney in 1823.
203. Brickfield Hill, 1796.
204. The Old Tank Stream.
205. Sydney from North Shore, 1820.
206. North View of Sydney, 1825.
207. Sydney Cove, from Dawes Battery, 1820.
208. North View of Sydney, 1794.
209. Sydney in 1803.
210. The Sydney Post Office in 1848.
211. Sutherland Dry Dock, Cockatoo Island.
212. Hyde Park, Sydney.
213. Sydney Observatory.
214. North Sydney Suspension Bridge.
215. St. Patrick's College, Manly Beach.
216. Hudson Brothers' Workshops, Granville.
217. Do. do. do.
218. Do. do. do.
219. Newington College, Stanmore.
220. Wesleyan Church, at Redfern.
221. Prospect Dam, Sydney Water Supply.
222. Goodlet and Smith's Timber Mills, Pyrmont.
223. Colonial Sugar Refining Works, do.
224 Interior View, Victoria Arcade.
225. Do. Imperial do.
226. Do. Royal do.
227. Do. do. do.
228. Do. "The Strand."

229 to 255. Views of Sydney in 1842, from drawings by John Rae.

256. The town of Newcastle in 1820.
257. The Town of Newcastle in 1824.

Department L.—Liberal Arts, Education, Literature, &c.

Group CLI—Class 871: Photographs.

1242. **COMMISSIONERS FOR NEW SOUTH WALES, Sydney.**

Series of Photographs, illustrating the Country Towns and the Typical Scenery of the Colony. Prepared by the Government Printer (Charles Potter).

1. Newcastle, from the Custom-house.
2. Do. from Obelisk Hill.
3. Steam Cranes at Newcastle.
4. Hydraulic Cranes at Newcastle.
5. Do. do.
6. City Markets, Newcastle.
7. Custom-house, do.
8. Hospital, do.
9. Police Court, do.
10. Bank of Australasia, Newcastle.
11. London Chartered Bank, Newcastle.
12. Earp, Gillam, & Co.'s Warehouse, Newcastle.
13. A Merchant's Residence, Newcastle.
14. Lake Macquarie from Toronto.
15. View at East Gosford.
16. A Wayside Inn at Ourimbah.
17. Alsophilia Dell, do.
18. "Brooklyn," Hawkesbury River.
19. View on the do.
20. Do. do.
21. Do. do.
22. Bridge over Nepean River, at Menangle.
23. Nepean River.
24. Do.
25. Do.
26. Do.
27. Do.
28. Do.
29. Do.
30. Do.
31. Do.
32. National Park.
33. Do.
34. Do.
35. Do.
36. Do.
37. Do.
38. Do.
39. Do.
40. View on George's River.
41. Explorers' Marked Tree, near Katoomba.
42. Katoomba Waterfalls.
43. Meeting of the Waters, Katoomba.
44. Wentworth Waterfalls.
45. Weeping Rock at Wentworth.
46. Govett's Leap Waterfalls.
47. Fitzroy Waterfalls.
48. Valley of the Grose.

49. Valley of the Grose.
50. Do.
51. Do.
52. Do.
53. Do.
54. Do.
55. Do.
56. Do.
57. Mr. Du Faur's Cottage, Mount Wilson.
58. Fern Trees, Mount Wilson.
59. Do. do.
60. Bush Scene, do.
61. Do. do.
62. Post and Telegraph Office, Goulburn.
63. Do. Wagga Wagga.
64. Do. Leichhardt.
65. "Southwood," Mittagong.
66. Church of England Parsonage, Berrima.
67. Public Buildings, Bathurst.
68. Do. do.
69. Hospital, Bathurst.
70. View of, do.
71. Lennox Bridge, Great Western Road.
72. Court-house, Orange.
73. Public Buildings, Orange.
74. Summer-street, do.
75. Mr. Dalton's Residence, Orange.
76. Mr. M'Laughlan's Residence, Orange.
77. Court-house, Wollongong.
78. Road Scene, Trial Bay.
79. Bingera Bridge.
80. Gunnedah Bridge.
81. Tamworth do.
82. Boggabri do.
83. Wollongong Lighthouse.
84. Court-house and Post Office, Grafton.
85. Prince-street, Grafton.
86. Do. do.
87. Grafton, from Wilson's Hill.

1243. COMMISSIONERS FOR NEW SOUTH WALES, Sydney.

Series of Enlarged Photographs, illustrating the Defence Forces of the Colony. Prepared by the Government Printer (Charles Potter).

1. The Training Ship "Wolverine."
2. Cutlass Exercise on board the "Wolverine."
3. Drill do. do.
4. Main Deck do. do.
5. View of Military Sham Fight at Windsor.
6. Victoria Barracks.
7. Do.
8. Parade, Victoria Barracks.

9. Permanent Artillery.
10. Do. Band.
11. Do. Field Battery.
12. Do. do.
13. Transport and Commissariat Corps.
14. 1st Regiment, Infantry.
15. Do. do. Officers.
16. Scottish Rifles.
17. Submarine Miners.
18. Do.
19. Do.
20. Do. Partially-paid.
21. Do. do.
22. Do. do.
23. Do. do.
24. Group of Officers, New South Wales Militia.
25. North Sydney Rifle Reserves.
26. Do. do.
27. Do. do.

1244. **COMMISSIONERS FOR NEW SOUTH WALES, Sydney.**

Series of large Photographs, illustrating the country and mountain scenery of New South Wales. Prepared by C. Kerry, photographer, Sydney.

14. The Cascades, Katoomba Falls.
15. A Fern Gully, Wentworth, Blue Mountains.
16. Wentworth Falls, Blue Mountains.
17. The Weeping Rock, Blue Mountains.
18. Grose River and Valley.
19. Govett's Leap, Blue Mountains.
20. Bullock Teams, Adaminaby Plains, Monaro, on the road to Kiandra and the Snowy Mountains.
21. Road to the Mermaid's Cave, Blue Mountains.
22. The Head Waters of the Snowy River, rising in the Snowy Mountains, N.S.W.
23. The Upper Snowy River, near Mount Kosciusko.
24. Hauling Cedar on the Richmond River, on the route from Mount Lindsay to the coast at Grafton.
25. The Balance Rock, near Bathurst, on Mount Routter, granite formation, estimated to weigh 3,000 tons.
26. Cliff Road, Clifton, Illawarra, the main south coast road.
27. Stanwell Park, Illawarra, showing cabbage palms and brush-wood foliage.
28. A Ford on the Cordeaux River, Illawarra.
29. South Coast View, near Bulli.
30. The Fishing Rock, Clifton.

1245. **GRAFTON MUNICIPAL COUNCIL.**

Photographic View of Grafton.

1246. **HOFFNUNG & CO., S., 165 Pitt-street, Sydney.**

Photograph of Warehouses.

1247. HOLDEN, R. Henry, Kiama.

Specimens of Competitive Photography.

1. Coast near Kiama.
2. S.S. leaving Kiama.
3. Cathedral Rocks.
4. Bombo Quarry, Basaltic.
5. The Gap.
6. Cathedral Rock.
7. Cathedral Rock.
8. Mouth of the Blow Hole.
9. The Blow Hole Spouting.
10. The Blow Hole Spouting.
11. Blow Hole after Spouting.
12. Bonara Vale
13. Broughton Creek.
14. The Old Figtree.
15. Moreton Bay Fig.
16. Australian Aborigine.
17. Farm Yard.
18. Dairy Bull, bred by Hugh Dudgeon.
19. Dairy Bull, bred by R. Jones.
20. Dairy Bull, bred by John Dudgeon.
21. Dairy Bull, bred by J. W. Cole.
22. Dairy Bull, bred by J. W. Cole.
23. Dairy Cow, bred by James Bros.
24. Dairy Cow, bred by J. W. Cole.
25. Dairy Cow, bred by J. W. Cole.
26. Dairy Cow, bred by J. W. Cole.
27. Dairy Cow, bred by J. W. Cole.

1248. KITCH & CO., G. (Eclipse Photograph Company), Main-street, Katoomba.

Series of Photographic Views of the Scenery of the Blue Mountains, New South Wales (competitive).

1. Meeting of the Waters, Leura.
2. The Three Sisters—a peculiar formation of rock in the Jamieson Valley.
3. Weeping Rock, Wentworth Falls.
4. The Fernery—a beautiful spot leading to the Orphan Rock, and down into the Jamieson Valley.
5. Leura Falls.
6. The Jamieson Valley—seen from Leura. The hills are forty-five miles distant.
7. Leura Gap.
8. Jamieson Valley—taken from Katoomba Falls, showing the Orphan Rock and the formation of the walls.
9. Katoomba Gap—over the top of Katoomba Falls, showing the Ruined Castle.
10. Weeping Rock—a favourite resort for picnic parties.
11. Govett's Leap, Blackheath, a clear fall of 900 feet.

12. Bride's Veil, Nellie's Glen, so called from the appearance of the water falling on a rock.
13. Bonnie Doon, leading down to Nellie's Glen.
14. Jersey Gap—forming part of Leura Stream, close to the Meeting of the Waters.
15. Katoomba Falls
16. Nellie's Glen Falls—a stream of water gushing out of the rocks into the Glen.
17. Leura Gap.
18. Sunny Corner—the place where silver was first smelted in the Colony.
19. Silver Lake—2 miles north of Katoomba.
20. Cliff View, Katoomba Falls.
21. In the Fernery, by the Witch's Leap.
22. Sphinx Rock—rocks resembling rolls of parchment.
23. Rustic Bridge, at the Upper Cascade.
24. Weeping Rock, Wentworth Falls.
25. Leura Stream—continuation of water from the Meeting of the Waters.
26. Track to Katoomba Falls.

1249. **KATOOMBA MUNICIPAL COUNCIL, Blue Mountains, N.S.W.**

Series of Photographic Views of Blue Mountain Scenery:—

1. "Minnehaha Falls," situate about 3 miles north from the Katoomba Railway Station, are of recent discovery, and though not largely visited up to the present time, contain some of the most charming fern gullies, cascades, &c., on the Mountains. The falls themselves are exceptionally fine.
2. "Katoomba Falls" situate 1½ mile south of the Katoomba Railway Station, vie with the Wentworth Falls for the premier show-place of the Mountains. The falls, especially after heavy rain, are superbly grand, the water falling in two falls about 900 feet. The surroundings have been opened up, and it is now possible to reach the foot of the first fall. It is the favourite resort of holiday makers.
3. "Govett's Leap," situate about 1½ mile north of Blackheath, is the best known of any of the mountain views, and is mostly frequented by tourists. The water falls in a direct line some 600 feet before losing itself in the beds of ferns that lie at this depth. The valley, some 2,000 feet deep, and stretching some miles in extent, completes a lovely and wonderful picture.
4. "Nellie's Glen," situate about 2½ miles west of Katoomba, opens to the visitor another feature of the mountain scenery. It lies between high cliffs, and as the wanderer descends, the cliffs rise overhead in an appalling manner. On either side beds of lovely ferns lie in corners and crevices of the cliff sides, while here and there a huge tree, apparently clinging to the rocks, hangs threateningly overhead hundreds of feet high. The sun hardly ever pierces the glen, and the cool shady spots are accordingly eagerly sought after during the summer months.

5. "Leura Glade" is a charming spot, situate below the Leura Falls, and is a favourite spot for picnickers. The track leading down to this lovely resort comprises most varied and beautiful scenery.
6. "Echo Tree Glen" is another of the choice views that abound in our midst. It is situate at the head of the Leura Falls Glen, and is distant about 1½ mile from Katoomba Railway Station.
7. "Katoomba Township." A view of the town of Katoomba, showing the leading hotels, stores, and other business premises.
8. "Rustic Bridge" shows a naturally formed bridge across the stream at the head of the Katoomba Falls cascades. A charming view is obtained from this vantage ground.
9. "Weeping Rock," Leura, is situate in the valley at the foot of the Leura Falls, at a depth of 900 feet from the table-lands above. Paths have been formed to this resort, which is much frequented.
10. "Queen's Cascade" shows the Wentworth Falls immediately before the waters discharge themselves into the abyssmal depths below. The place commands lovely and extensive views.
11. "Wentworth Falls" is one of the most beautiful sights on the Mountains, and is situate about 1½ mile from Wentworth Falls Railway Station. The valley below is some 1,500 feet deep, and lovely views of it are obtainable from "look-out" points on the high land.
12. "Weeping Rock," Wentworth Falls, is a favourite pleasure resort. The water (as shown on the picture) falls gracefully over a huge rock lying in its path, and almost hides a bed of ferns growing in the cool shades.
13. "The Valley," taken from the Katoomba Falls, shows a distant view of the mountain scenery, and lies some 1,500 feet below the point the photo. is taken from.
14. "Leura Gap" is a pretty piece of Nature's handiwork. The water at this place rushes between the cliffs, and eventually loses itself amongst the beds of ferns below.
15. "The Three Sisters" show a peculiar formation. The three points shown in the picture rise in solemn grandeur out of the valley. Though adjoining the main tableland they are not connected with it, deep chasms laying between each of them. They are situate 1½ mile from Katoomba township.
16. "Wentworth Falls." Previously described.
17. "Jamieson Valley," taken from the Leura Falls, is one of the many views obtainable along the cliff line. The Valley is some 1,500 feet deep, and an uninterrupted view for some 20 miles is shown in the picture.
18. "The Fernery" is a piece of the scenery along the path leading under the Katoomba Falls, and shows the wonderful growth of ferns, &c.

19. "Jamieson Walls" shows the face of the cliffs that for miles descend perpendicularly some hundreds of feet deep. Distinct bands of minerals are visible on the cliff face, which forms an interesting and attractive picture.
20. "Katoomba Gap" depicts the point at which the water of the Katoomba Falls discharges itself over the cliffs into the valley below.
21. "Centre of Katoomba Falls" is the point where the waters, having fallen from a great height above, regain fresh life on a jutting ledge of rock, and again pursue their wild career into the valley.
22. "Wentworth Falls." Previously described.
23. "Nelly's Glen." Do
24. "Silver Lake," situate 2 miles north of Katoomba, is a charming place for a day's excursion. The scenery around is wonderful, and full of interest.
25. "Leura Falls," showing the waterfall at this lovely resort. It is situate 1½ mile from Katoomba, and is the most frequented of any of the mountain views.
26. "Orphan Rock" is a marvellous piece of Nature's work. Adjoining, and yet detached from the cliff line, it rises in solitary grandeur some hundreds of feet high. It is situate close to, and is viewed from, the Katoomba Falls look-out point.

1250. **LITTLE, John, Young.**

Photograph of Young, enlarged by the Bromide process.

1251. **McARTHUR & CO., A., Importers, 79, York-street, Sydney.**

Bromide Photographic Views of Business Premises.

1. View of Warehouses—York-street, Sydney.
2. View of Warehouses—King and Clarence Streets, Sydney.

1252. **M'FADYEN, John, Haydonton, Murrurundi.**

Competitive collection of Photographs, illustrating the Town of Murrurundi and neighbourhood—

1. View of Harben Vale, Murrurundi.
2. Tulcumbah Station, Namoi River.
3. View of Tulcumbah Station, Namoi River.
4. View of Swamp Oak Station, Moonbi.
5. View of Aberbaldie Station, Macdonald River, Walcha.
6. Wool Teams *en route* to Railway from Warrah.
7. After a Cricket Match, "Eather's Hotel," Boggabri.
8. Bush Hotel—Sunday afternoon.
9. Piallaway Woolshed, Liverpool Plains.
10. View of Europambula Station.
11. Group of Shearers at Barsham Woolshed.
12. Homestead, Murrurundi.
13. "Mingoola," champion high jumper.
14. King Billy (Aborigine), with Spears and Nullah Nullahs.
15. Wire Suspension Bridge near Walcha.

16. Happy Moments—"Nundle Lassies."
17. "Old Charlie," the Sheep-penner, Goonoo Goonoo Station.
18. Native Bear on Tree.
19. Waterloo Falls, Apsley River.
20. English Church, Murrurundi.
21. Mob of Cattle, Europambula, Walcha.
22. Mustering Cattle, Moonbi Ranges.
23. View of Murrurundi.
24. A Lincoln Lamb, 6 months old.
25. Selector's Residence, New South Wales.
26. School Children, Boggabri.
27. Group of Shearers, Goonoo Goonoo Station.
28. Queensland Cattle Drover and Dogs.
29. Stud Rams, Colley Creek.
30. Shearers Fishing in Namoi River.
31. Droving Cattle near Scone.
32. Wool *en route* to Railway from Europambula.
33. Flock of Sheep, Breeza.
34. Picnic at Macdonald River, New South Wales.
34. "Peep Bo."
36. Four Generations of Boggabri.
37. Racehorse, "Navette."
38. "Stockwell," Ram.
39. Champion Durham Bull, "Egmont."
40. Champion Durham Heifer, "Lady Lee."

1253. MARION & CO., Photographers, 425, George-street, Sydney.

Two Albums of Photographic Views of the Homes, Industries, and Scenery of New South Wales, finished by the Bromide process.

Album No. 1.

1. Frank Bennett, "Fernleigh," Rose Bay—Interior.
2. Frank Bennett, "Fernleigh," Rose Bay—Exterior.
3. Frank Bennett, "Fernleigh," Rose Bay—Interior.
4. Australian Mutual Provident Society—Head Office, Sydney.
5. The Hon. E. Vickery, M.L.C.—"Edina," Waverley.
6. Weeping Rock, Wentworth Falls, Blue Mountains.
7. The Gap, South Head, Sydney.
8. A. Amos, "Kinnail," Elizabeth Bay.
9. M. C. Cowlishaw, "Mervonnah" Elizabeth Bay.
10. Robert Prendergast, "Merioola," Edgecliff Road.
11. Henry Little, "Avoca," Glebe Point.
12. F. J. Gibbins, "Dappeto," Arncliffe.
13. Lieut.-Colonel Roberts, "Trahlee," Belle Vue Hill.
14. A. M. Allen, "Summerhill," Sydney.
15. F. B. Freehill, "Carmona," Burwood.
16. Convent of the Sacred Heart, Rose Bay.
17. J. Geddes, "Rose Bank," Glebe Point.
18. The Lyceum Theatre, Pitt-street, Sydney.
19. A. M. Smidmore, Frankfort House Park, Marrickville.
20. Farmer & Co., Pitt-street, Sydney.
21. View of King Street, Sydney, from corner of George-street.

22. The Hon Wm. Laidley, M.L.C., "Hillside," Edgecliffe Road.
23. The Hon. R. H. D. White's yacht, "White Star."
24. The Railway Bridge, Hawkesbury River.

ALBUM No. 2.

1. Mrs. James White, "Kirkham," Narellan, New South Wales.
2. Mrs. James White, "Kirkham," Narellan, N.S.W.
3. General Post Office, George-street, Sydney.
4. Town Hall, George-street, Sydney.
5. Mrs. James White, "Kirkham," Narellan, N.S.W.
6. Mrs. James White, "Kirkham," Narellan, N.S.W.
7. Frank Bennett, "Fernleigh," Rose Bay, Sydney.
8. James Burns, "Gowan Brae," Parramatta, N.S.W.
9. Fairy Falls, National Park, N.S.W.
10. Mrs. James White, "Cranbrook," Rose Bay, Sydney.
11. James Burns, "Gowan Brae," Parramatta, N.S.W.
12. Botanical Gardens—showing Government House, Sydney.
13. James Burns, "Gowan Brae," Parramatta, N.S.W.
14. Coogee Bay and Aquarium, Sydney.
15. St. Ignatius College, Riverview, Parramatta River, N.S.W.
16. Mrs. James White, "Cranbrook," Rose Bay, Sydney.
17. Mrs. James White, "Cranbrook," Rose Bay, Sydney.
18. Potts Point—Woolloomooloo Bay, Sydney.
19. Hon. J. S. Mitchell, "Edina," Darling Point, Sydney.
20. Mossman's Bay, Sydney Harbour.
21. Mutual Life Association of Australia, George-street, Sydney.
22. The Zigzag, Blue Mountains, N.S.W.
23. W. M. Faithful, "St. Anne's," Elizabeth Bay, Sydney.
24. Arrival of the Australian Squadron in Sydney Harbour.

1254. MASONIC HALL CO. (Limited), 283, Castlereagh-street, Sydney.

Photograph of the Masonic Hall.

1255. NEWCASTLE MUNICIPAL COUNCIL.

Collection of Photographs, illustrating the Town of Newcastle and Neighbourhood.

1. View of port and river.
2. Entrance to port.
3. View of the port.
4. Do
6. Do
7. Do
8. Do
9. Do
10. Do
11. View of the city.
12. Do and port.
13. Do
14. Council Chambers.
15. Custom House.
16. Court House.
17. Post and Telegraph Offices.
18. Railway Station.
19. Do
20. Hospital.
21. Great Northern Hotel.
22. Castlemaine Brewery.
23. Ireland's Bond.
24. D. Cohen & Co.'s Stores.
25. Earp, Gillam, & Co.'s Stores.
26. Hydraulic Works.
27. Baptist Tabernacle.
28. Swimming Baths.

Department L.—Liberal Arts, Education, Literature, &c.

Group CLI—Class 871: Photographs.

1256. NEWMAN J. Hubert, Photographer, 12, Oxford-street, Sydney.

Series of Photographic Portraits of Public Men of the Colony, prepared by the "Autotype" or "Carbon" process (competitive).

1. The Rt. Hon. the Earl of Jersey, P.C., G.C.M.G., &c., formerly Governor and Commander-in-Chief of the Colony.
2. The Hon. Sir George Dibbs, K.C.M.G., M.P., &c., Chief Secretary and Premier of the Colony.
3. The Hon. Sir Henry Parkes, G.C.M.G., M.P., former Colonial Secretary and Premier of the Colony.
4. Sir Joseph Abbott, Knight, M.P., Speaker of the Legislative Assembly.
5. William McMillan, Esq., M.P., President of the New South Wales Commission for the World's Columbian Exposition, Chicago, 1893.
6. The Hon. Arthur Renwick, B.A., M.D., M.L.C., Executive Commissioner of New South Wales to the World's Columbian Exposition, Chicago, 1893.
7. The Hon. Sir George Grey, K.C.B., M.P., formerly Governor and, more recently, Premier of New Zealand.
8. Photographs of the Delegates to the National Federal Convention, 1891.

1257. ORANGE MUNICIPAL COUNCIL.

Collection of Photographs, illustrating the Town of Orange and Neighbourhood.

Cook Park.
Commercial Bank.
Orange Hospital.
Post and Telegraph Office.
Dalton Bros. Stores.
Roman Catholic Church.
Superior Public School.
Railway Station.
Town Hall.
Duntryleague, near Orange.
Union Bank.
Ophir Bluff, site of first gold discovery in Australia, near Orange.
Court-house.
Wolaroi Mansion—Orange in the distance.
Wesleyan Church.
Dalton Bros. Flour Mill.
Australian Joint Stock Bank.
The celebrated Lucknow Gold Mines, near Orange.
Church of England.
Summer-street, looking west.
The Standard Brewery.
Summer-street, looking east.
View of Orange.

1258. SMITH, William Easdown, Printer and Stationer, &c., Bridge-street, Sydney.

Photographs of building and interior of Factory.

1259. SYDNEY MUNICIPAL COUNCIL.

Series of Photographs of Municipal Buildings, &c.

1. Panoramic View of Sydney, from North Sydney.
2. Exterior of Town Hall, north side.
3. Do do south side.
4. Town Hall, front elevation to George-street.
5. Interior of Centennial Hall, looking east.
6. Do do do west.
7. Grand Organ.
8. Metropolitan Cattle Sale-yards, Homebush.
9. New Fruit and Vegetable Market, Belmore.

Group CLII.—Civil Engineering, Public Works, Constructive Architecture.

CLASS 880.—Bridge Engineering—Illustrated by Drawings and Models.

Bridge Designing—Drawings and Charts, Showing Methods of Calculating Stresses.

Foundations, Piers, Abutments, and Approaches of Stone, Wood, &c.

Arch Bridges of Stone, Wood, or Iron.

Suspension Bridges of Fibre, Iron Chain, and Cable.

Truss Bridges of Wood, Iron, and Steel—Pony Bow String and Plate Girders, Lattice Girders, Fink, Bollman, Howe, Pratt, Warren, Post, Long, Whipple, and other Trusses of Special Design.

Cantilever Bridges, Draw Bridges, Rolling and Swinging Machinery.

Tubular Bridges.

Railway Aqueduct and other Bridges of Special Design, not elsewhere classed.

[A Chart showing date of Completion, Span, Rise, Weight, and Cost of the Great Bridges of the World would be of interest.]

1260. **M'DONALD, J. A., Public Works Department, Sydney.**

Improved Expansion Rollers for large Bridges.

These rollers are fixed under the main girders in the usual manner. The large diameter is necessary to prevent the rollers wearing a bed for themselves on the saddle or bed-plate. One roller of the group is geared to both saddle and bed-plate to prevent creep, the tooth on the bed-plate being adjustable. The exhibit is one-fourth full-size.

1261. **SLATYER, C. H., 96, Pitt-street, Sydney.**

Architectural Drawings, comprising—

1. City Avenue Arcade, Sydney. Three sheets.
2. Presbyterian Church, Neutral Bay, Sydney.
3. Country Hotel, Meadow, Blue Mountains.
4. Country Residence, Carlinford, N.S.W.
5. Suburban Residence, Sydney.

1262. **TAPPIN, DENNEHY, & SMART, 118, Pitt-street, Sydney.**

Architectural Drawings, being designs for proposed State House for New South Wales,—

1. Front Elevation.
2. Side do
3. Perspective view.

CLASS 889.—Constructive Architecture—Plans of Public Buildings for Special Purposes, Large and Small Dwelling-houses.

Drawings and Specifications for Foundations, Walls, Partitions, Floors, Roofs, and Stairways.

Estimates of Amount and Cost of Material.

Designs and Models of Special Contrivances for Safety, Comfort, and Convenience in the Manipulation of Elevators, Doors, Windows, &c.

Working Plans for the Mason, Carpenter, and Painter; Designs and Models of Bonds, Arches, Coping, Vaulting, &c.; Plastering and Construction of Partitions; Painting and Glazing.

Plans of Appliances for Hoisting, Handling, and Delivering Building Material to Artisan—Scaffolding and Ladders; Special Scaffolding for Handling Great Weights; Portable Cranes and Power Elevators.

Illustrations of the Strength of Materials.

Plans and Sections of Special Architectural Forms—Metallic Floor-beams and Girders; Hollow Bricks and other Architectural Pottery for Heating and Ventilation; Metallic Cornice and Conduits; Shingles and Sheathing; Glass Roofs; Floors and Accessories; Architectural Hardware.

Methods of Combining Materials.

Protection of Foundations, Areas, and Walls against Water.

Working Plans for Paving and Draining.

1263. **HUNT, J. Horbury, F.R.I.B.A., President, Institute of Architects of New South Wales, 85, Pitt-street, Sydney.**

Architectural Designs,—

1. Newcastle Cathedral.
2. Residence of Mr. F. R. White, Armidale.
3. National Art Gallery of New South Wales.

1264. **ROSS, David, Victoria Chambers, Sydney.**

"Healthy Burial Reform,"—A new scheme for healthy burial, described, and illustrated by three drawings.

Group CLIII.—Government and Law.

CLASS 890.—Various Systems of Government Illustrated. Government Departments—Legislative, Executive, and Judicial.

1265. **COMMISSIONERS FOR NEW SOUTH WALES, Sydney.**

"The Public Statutes of New South Wales, 1879–85 and 1889–90." With Indices.

CLASS 892.—Protection of Property in Inventions. Patent Offices and their Functions, Statistics of Inventions and Patents.

1266. **COMMISSIONERS FOR NEW SOUTH WALES, Sydney.**

"The Law and Practice of New South Wales Letters Patent," by A. G. Taylor.

CLASS 893.—Postal Systems and the Appliances of the Postal Service. Letter-boxes, Pouches, Mail-bags, Postage Stamps, &c.

1267. **LAMBTON, S. H., Deputy Postmaster-General, Sydney.**

1. Revolving stand containing pictures of His Excellency The Right Honorable The Earl of Jersey, P.C., G.C.M.G., Governor and Commander-in-Chief of New South Wales, The Honorable Sir George Dibbs, K.C.M.G., M.P., Premier of New South Wales, and The Honorable John Kidd, Esq., M.P., Postmaster-General of New South Wales; also, pictures of the buildings used as a General Post Office, Sydney, in the years 1838, 1848, and 1892, with interiors of some of the Departments of existing building, street iron letter and newspaper boxes, of Sydney Letter-carriers, and Postal Mail Cart. Specimens of New South Wales Postage Stamps.
2. Map showing the Postal Stations, Mail Roads, and Telegraph Lines in New South Wales in 1892.
3. Volume entitled "History of the Post Office and of the issue of Postage Stamps in New South Wales," 1890.

CLASS 894.—Punishment of Crime—Prisons and Reformatories, Prison Management and Discipline, Transportation of Criminals, Penal Colonies, Houses of Correction, Reform Schools, Naval or Marine Discipline, Punishment at Sea, Police Stations, Night Lock-ups, &c.; Dress and Equipment of Prisoners, Examples of Convict Workmanship.

1268. **COMMISSIONERS FOR NEW SOUTH WALES, Sydney.**

"The Prison System of New South Wales"; a pamphlet by George Miller, Comptroller-General of Prisons, Sydney.

1269. **COMMISSIONERS FOR NEW SOUTH WALES, Sydney.**

Series of Enlarged Photographs, illustrating the Prisons and Police Force of the Colony. Prepared by the Government Printer (Charles Potter).

1. Darlinghurst Court-house.
2. Entrance Gates to Darlinghurst Gaol.
3. Do. do.
4. Police Station, Woolloomooloo.
5. Do. George-street, North.
6. The Mounted Police.
7. Do.
8. Do.
9. Do.
10. Group Gaol Officials, Darlinghurst.
11. Do. Prison Dress, do.
12. Goulburn Gaol—Entrance.
13. Do. Interior.
14. Do. Stone Yard.

Group CLIV.—Commerce, Trade, and Banking.

CLASS 895.—History and Statistics of Trade and Commerce.

1270. **COMMISSIONERS FOR NEW SOUTH WALES, Sydney.**

"The History and Progress of New South Wales," being a special edition of the "Year Book of New South Wales," edited and compiled in the offices of the Year Book.

"The Rise, Progress, and Present Position of Trade and Commerce in New South Wales"; a pamphlet by Edward Pulsford.

"Australia and America in 1892—a Contrast"; a pamphlet by Edward Dowling.

"The Progress and Resources of New South Wales"; a pamphlet by Greville P. Tregarthen, Chief Clerk, Government Statistician's Department, Sydney. Illustrated by diagrams specially prepared.

CLASS 897.—Methods and Media of Exchange—Money, Coins, Paper-money, &c.

1271. **COMMISSIONERS FOR NEW SOUTH WALES, Sydney.**
"The Coins, Coinages, and Currency of Australasia"; a pamphlet by Coleman P. Hyman.

1272. **HYMAN, Coleman P., Mercantile Chambers, 187, Castlereagh-street, Sydney.**
Loan collection of the Tokens and Early Currency of Australia.

CLASS 901.—Exchanges for Produce, Metals, Stocks, &c.

1273. **SYDNEY CHAMBER OF COMMERCE, Pitt-street, Sydney.**
Two Photographs, showing the Exterior and Interior of the Sydney Exchange.

CLASS 902.—Insurance Companies.

1274. **AUSTRALIAN MUTUAL PROVIDENT SOCIETY, 87, Pitt-street, Sydney.**
Photographs of Head Office, &c.

These photographs represent interior and exterior views of the Head Office of this Society. The building is situated at 87, Pitt-street, Sydney, New South Wales, and was erected in 1881 at a cost of about £75,000. The interior view represents the public office on the ground-floor, which accommodates portion of an official staff, which now numbers about 100. Rooms are provided on either side for the General Manager and Actuary, Richard Teece, Esq., F.I.A., and Secretary, Robert B. Cameron, Esq. The Acturial and Medical Departments occupy the first and second floors, access to which is gained by a fast-running elevator. This Society is the oldest and wealthiest life insurance institute in Australia, and the largest in the British Dominions. It has about 115,000 policies in force, assuring, with bonus additions, about £45,000,000. Its accumulated funds amount to over £11,000,000, and its annual income to £2,000,000. Its profits are divided annually, a sum of about £500,000 being divided among its members every year.

1275. **AUSTRALIAN WIDOWS' FUND LIFE ASSURANCE SOCIETY (Limited), 263, George-street, Sydney.**
Photograph of the Society's Building in George-street, Sydney.

1276. **COLONIAL MUTUAL LIFE ASSURANCE SOCIETY (Limited) 105, Pitt-street, Sydney.**
Coloured Sketch of the New South Wales Branch of the Colonial Mutual Life Assurance Society (Limited).

Department L.—Liberal Arts, Education, Literature, &c.

Group CLIV—Class 902: Insurance Companies. Class 903: Banks and Banking.

1277. EQUITABLE LIFE ASSURANCE SOCIETY OF THE UNITED STATES, 40, Hunter-street, Sydney.

Perspective View of New Offices.

The building represented by the design is in course of erection at the corner of George-street and Chisholm-lane, in the City of Sydney, New South Wales. It is being erected by the Equitable Life Assurance Society of the United States for the purpose of containing the offices and business premises required for the branch of their business in New South Wales. The exterior of the building is carefully designed for the purpose it is to serve, with due regard to the surroundings, as well as to the climatic conditions of Sydney. The style of architecture is the early Romanesque, and the character of the whole constructions throughout is of the most approved and thorough kind. The building is to be fire-proof throughout. The material of its exterior is trachyte obtained from the quarries at Bowral, New South Wales. The treatment of the stonework is chosen according to the peculiarities of this hard and durable material, with a view also of verifying the colour of the different parts; thus quarry-faced, fine-axed, and polished surfaces of the stones are used to produce the desired effect. The cost of the building will be more than £100,000.

1278. MUTUAL LIFE ASSOCIATION OF AUSTRALASIA, George and Wynyard Streets, Sydney.

Two Photographic Views—

1. Interior of Public Room in the Principal Office of the Association.
2. Exterior of Principal Office, Sydney,

1279. NEW ZEALAND INSURANCE CO., 81, Pitt-street, Sydney.

Photographs of Principal Office, Sydney.

CLASS 903.—Banks and Banking.—Illustrations of Buildings, Interiors, Methods, and Statistical Information, Clearing-houses, &c., Savings and Trust Institutions.

1280. AUSTRALIAN JOINT STOCK BANK, Sydney.

Photographic View of the Head Office, George and King Streets, Sydney.

1281. COMMERCIAL BANKING COMPANY of Sydney, George-street, Sydney.

Photograph of the Principal Office.

1282. SAVINGS BANK OF NEW SOUTH WALES, Barrack-street, Sydney.

1. Photograph of exterior of Bank Premises.
2. Photograph of Interior of Bank Premises.

Group CLV.—Institutions and Organisations for the Increase and Diffusion of Knowledge.

CLASS 908.—Academies of Science and Letters.—Learned and Scientific Associations, Geological and Mineralogical Societies, &c.; Engineering, Technical, and Professional Associations; Artistic, Biological, Zoological, Medical, Astronomical Societies and Organizations.

1283. GOVERNMENT ASTRONOMER OF NEW SOUTH WALES (Henry Chamberlaine Russell, B.A., F.R.A.S., C.M.G.), Sydney.

Through the influence of Sir William Denison, then Governor of New South Wales, it was in 1856 decided to establish in Sydney an observatory combining the astronomical and meteorological work, and by May, 1858, the buildings and instruments were so far advanced that the Astronomer, the Rev. W. Scott, went into residence, and began to take observations. In January, 1859, the present Astronomer was appointed solitary assistant. During his term of office Mr. Scott carried on vigorously the astronomical and meteorological duties. In June, 1862, he resigned, and it was not until January, 1864 that Mr. G. Robarts Smalley, B.A. arrived from England to take his place. In the interval the work was carried on vigorously by Mr. Russell. Mr. Smalley's health was bad all through, and the result was a general curtailment of work; the meteorological stations were reduced from twelve to five, and astronomical work also suffered. What energy he had the Astronomer devoted to initiating the trignometrical survey of the Colony. He died in July, 1870, and Mr. Russell was appointed Director of the Observatory. At this time all the instruments in the Astronomical Observatory were relics of Parramatta Observatory, date 1822, and wholly unfit to meet the requirements of astronomy in 1870. The buildings were inconvenient, only two small rooms being available as offices. It was therefore necessary to add to the buildings seven additional office rooms and a second dome. A new meridian circle, 6½ inches objective, by Simms, with all the best appliances was obtained, and a fine equatorial 11½ inches aperture; a large spectroscope, and complete astronomical outfit. At the same time the meteorological service was expanded, and the five stations of 1870 have multiplied to 1300 in 1892. Of these eighty send in once and some twice daily weather telegrams, which, with exchanges from all Australasia, are made up into weather charts and published twice daily, giving a forecast and a synoptic view of the weather all over Australasia, with isobars area and extent of rainfall temperature, &c. In 1889 a very perfect star camera of the size used in photographing the Heavens on the plan arranged at the Paris Conference was added to the astronomical instruments, and the observatory accepted a share in the work, being the portions 52° to 64° south inclusive. The publications, astronomical and meteorological, in the Exhibition, will best express what has been done since 1870. The staff consists of the Director, two astronomical assistants, six meteorological assistants, one computer, one photographer, one instrument maker, and one attendant.

Series of Photographs illustrating the Moon, Stars, Nebulæ, &c.:—

THE MOON.

1. October 12. Scale, 28 inches.
2. 7½ inch. Scale, 36 inches.
3. Appenines.
4. Ptolemæŭs.

THE STARS, NEBULÆ. &c.

1. Milky Way.
2. Eta Argus, positive.
3. Eta Argus, negative.
4. Magellan Cloud.
5. Herschell's Map.
6. Comet.

Series of Publications issued in connection with the Sydney Observatory:—

ASTRONOMICAL.

1. Transit of Venus, 1874. 1 vol.
2. Astronomical Results, 1877–1881. 2 vols.
3. Double Star Measures, 1871–1891. 2 vols.
4. Photos of Milky Way, 1891. 1 vol.
5. Star Camera (Description), 1892. 1 vol.

METEOROLOGICAL.

1. Abstracts of Sydney Meteorological Observations, 1865-1877. 3 vols.
2. Meteorological Observations in N. S. Wales, 1870–1890. 9 vols.
3. Rain Evaporation and River Results, 1878–1891. 3 vols.
4. Daily Weather Charts of Sydney Observatory, Nov., 1891–Nov., 1892. 25 vols.
5. Physical Geography and Climate of New South Wales. 1st and 2nd edition. 2 vols.
6. Climate of New South Wales: Historical, &c. 1 vol.
7. Scientific Papers by H. C. Russell. 3 vols.
8. Rainfall Average Map. 1 map.

1284. ROYAL GEOGRAPHICAL SOCIETY OF AUSTRALASIA (New South Wales Branch), 18, Bridge-street, Sydney.

Transactions of the Society. Vols. 1, 2, 3, and 4.

CLASS 909.—Museums, Collections, Art Galleries, Exhibitions of Works of Art and Industry, Agricultural Fairs, State and County Exhibitions, National Exhibitions, International Exhibitions, International Congresses.

1285. AUSTRALIAN MUSEUM, The Trustees of the, Sydney.

The Australian Museum was founded in the year 1836, and in the next ensuing year there were 804 specimens in all—43 of mammals, 348 of birds, wild reptiles, insects, shells, fossils, and minerals, native implements, &c., were represented. After being temporary located in various parts of the city, in quarters quite unsuited for the purpose, the collection was in 1849 removed to a building which now forms the old wing of the present museum, which is, however, a comparatively small portion of the present structure. The collection now reaches hundreds of thousands of specimens, including, as is naturally to be expected, a very full and valuable series of illustrations of marsupialia, together with fossil remains of extinct Australian animals, among which are specially to be noticed the skull and bones of the *nototherium* and *diprotodon*, extinct gigantic marsupials allied to the wombat and native bear, and teeth of the curious *sceparnodon* (Ramsay). These fossils prove that there existed in olden times very large kangaroos and other marsupials,

compared with which the largest of the modern kangaroos would be small, and there have also been apparently large carniverous or flesh-eating marsupials which have been called *thylacoleo* of marsupial lions. No less than 700 species of Australian birds are represented. It is not to be concluded, however, that the general natural history of other parts of the world has been neglected, for there are numerous specimens, well displayed, which serve as illustrations of other than Australian species in the various classes.

Series of Publications issued in connection with the Australian Museum:—

Catalogues.

Catalogue of Australian Birds in Australian Museum, by E. P. Ramsay. Part 1, Accipitres, 1876.

Catalogue of Australian Birds in Australian Museum, by E. P. Ramsay. Part 2, Striges, 1890.

Catalogue of Australian Birds in Australian Museum, by E. P. Ramsay. Part 3, Psittaci, 1891.

Catalogue of Australian Stalk and Sessile-eyed Crustacea, by W. Haswell, 1882.

Catalogue of Library of Australian Museum, 1883.

Catalogue of a Collection of Fossils in the Australian Museum, with introductory notes, by F. Ratté, 1883.

Catalogue of the Australian Hydroid Zoophytes, by W. M. Bale, 1884.

Descriptive Catalogue of the General Collection of Minerals in the Australian Museum, by F. Ratté, 1885.

Catalogue of Echinodermata in the Australian Museum, by E. P. Ramsay. Part 1, Echini. 2nd edition, 1890.

Descriptive Catalogue of Nests and Eggs of Australian Birds, by A. J. North, 1889.

Descriptive Catalogue of Sponges in Australian Museum, by R. von Leudenfeld, 1888.

Catalogue of Fishes in Australian Museum, by J. D. Ogilby. Part 1, Palæichthyan Fishes, 1888.

Catalogue of Marine Shells of Australia and Tasmania, by J. Brazier. Part 1, Cephalopoda, 1892.

Catalogue of Marine Shells of Australia and Tasmania, by J. Brazier. Part 2, Pteropoda, 1892.

II. *Monographs.*

Australian Lepidoptera and their Transformations, by the late A. W. Scott, with illustrations by his daughters, Mrs. Morgan and Mrs. Forde. Edited and revised by A. S. Oliff and Mrs. Forde. Vol. II. Parts 1, 2, and 3.

III. *Memoirs.*

History and Description of a new Sperm Whale in Australian Museum, by W. Wall, 1887.

Lord Howe Island, its Zoology, Geology, and Physical Characters, 1889.

IV. *Guide.*

Guide to the Contents of the Australian Museum, 1890.

V. *Miscellaneous Publications.*

Hints for Collectors of Geological and Mineralogical Specimens, by F. Ratté.

Hints for Preservation of Specimens of Natural History, by E. P. Ramsay, 1891.

VI. *Records.*

Vol. I. March 1890 to December, 1891.
Vol. II. No. 1, April, 1892.
Vol. II. No. 2, August, 1892.
Vol. II. No. 3, August, 1892.

Reports.

Report, 1890.
Report, 1891.

1286. COMMISSIONERS FOR NEW SOUTH WALES, Sydney.

Catalogue of Australian Mammals, by J. D. Ogilby.

1287. COMMISSIONERS FOR NEW SOUTH WALES, Sydney.

Collection of New South Wales Birds, prepared by the Trustees of the Australian Museum, Dr. E. P. Ramsay, Curator.

Register Number.	Name of Specimen.
O. 792–3	2 Astur novæ-hollandiæ.
O. 5049–50	2 Astur approximans.
O. 4586, 5416	2 Aquila audax.
O. 5047–8	2 Haliastus sphenurus.
O. 5052	1 Elanus scriptus.
O. 2940, 3090	2 Hieracidea orientalis.
O. 3304–5	2 Tinnunculus cenchroides.
O. 3855, 5053–4	3 Strix delicatula.
O. 5417–8	2 Ninox boobcok.
O. 3806	1 Aegotheles novæ-hollandiæ.
B. 6635; O. 798, 5419–20	4 Podargus strigoides.
O. 5059–60	2 Hirundo neoxena.
O. 2790, 2826; B. 9641, 9647	4 Merops ornatus.
O. 1688, 2002, 5046	3 Eurystomus pacificus.
O. 5062–3–4	3 Dacelo gigas.
O. 5065, 2776	2 Halcyon sanctus,
O. 2257, 2263	2 Halcyon macleayi.
O. 5066–7–8–9	4 Alcyone azurea.
O. 4598–9, 4171, 5070	4 Artamus sordidus.
B. 8627, 8629	2 Artamus leucogaster.
B. 862; O. 3107	2 Artamus superciliosus.
A. 7645	1 Artamus personatus.
O. 4373, 4774	2 Pardalotus punctatus.
O. 1225, 3276	2 Pardalotas ornatus.
O. 5076–7–8, 5071	4 Strepera graculina.
O. 5421, 2635, 3278	3 Gymnorhina tibicen.
O. 5080, 2482	2 Cracticus torquatus.
A. 4723	1 Cracticus robustus.
O. 5081–2–3, 5085	4 Grallina picata.
O. 5422–3, 5086–7	4 Graucalus melanops.
O. 5090–1, 5093–4	4 Pachycephala gutturalis.
O. 4757–8, 5095	3 Collyriocincla harmonica.

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Group CLV—Class 909: Museums, &c.

Commissioners for New South Wales, Sydney.—Collection of New South Wales Birds—*continued.*

Register Number.	Name of Specimen.
O. 5100, 5103–4, 5097	4 Falcunculus frontatus.
O. 5110	1 Rhipidura albiscapa.
O. 4361, 5109, 4273	3 Sauloprocta motacilloides.
O. 5106-7	2 Seisura inquieta.
O. 822; B. 10249, 10035, 10038	4 Monarcha melanopsis.
O. 5111-2-3	3 Erythrodryas rosea.
O. 5428, 2460, 4705, 4611	4 Petroica leggi.
O. 161, 163, 2473, 2475	4 Petroica phœnicea.
O. 5114-5-6	3 Eopsaltria australis.
O. 1426, 5434	2 Menura superba.
O. 5166, 5168-9-70	4 Psophodes crepitans.
O. 5122, 5413-4-5	4 Malurus cyaneus.
O. 5123-4	2 Malurus lamberti.
O. 5126-7-8	3 Malurus melanocephalus.
O. 5129-30, 5132	3 Sericornis citreogularis.
O. 810-1	2 Stipiturus malachurus.
O. 2665, 3786	2 Ephthianura albifrons.
O. 5143, 5145-6-7	4 Estrelda temporalis.
O. 5152, 5154-5	3 Donacicola castaneothorax.
O. 5424-5	2 Amadina lathami.
O. 5163-4-5	2 Pitta strepitans.
O. 3095	1 Cinclosoma punctatum.
O. 5158-9, 5161-2	4 Geocichla lunulata.
O. 5179, 5181, 5200, 5203	4 Ptilonorhynchus violaceus (males).
O. 5213-4-5, 5209	4 Ptilonorhynchus violaceus (females).
O. 5222-3, 5227-8	4 Ailuroedus viridis.
O. 5240, 5245, 5242, 5249	4 Sericulus melinus (males).
O. 5252, 5254-5, 5257	4 Sericulus melinus (females).
O. 5429-30-1-2	2 Mimeta virides.
1557	1 Corcorax melanorhamphus.
O. 1165, 2881, ; A. 137	3 Struthidea cinerea.
A. 721	1 Corone australis
O. 2266	1 Corvus coronoides.
O. 283, 2341, 4174	3 Meliornis novæ-hollandiæ.
O. 5027; B. 9628	2 Meliornis sericea.
O. 5235-6	2 Ptilotis lewinii.
O. 5036, 2481	2 Ptilotis leucotis.
O. 3112, 637, 4152	3 Ptilotis auricomis.
O. 1243, 1250, 140	3 Meliphaga phrygia.
O. 1462	1 Anellobia mellivora.
O. 5435	1 Anthochæra carunculata.
O. 5436-7	2 Philemon corniculatus.
O. 291, 1410, 2448, 4166	4 Acanthorhynchus tenurostris.
B. 9449, 9542, 9600, 9613	4 Myzomela sanguineolenta.
O. 754, 757	2 Entomyza cyanotis.
O. 285, 290, 862, 2649	4 Melithreptus lunulatus.
O. 2902	1 Plectorhyncha lanceolata.
O. 4661, 4667	2 Zosterops westernensis.
O. 134, 1239	2 Myzantha garrula.
O. 5237-8	2 Ptilorhis paradisea (males).
O. 2249, 5151	2 Ptilorhis paradisea (females).
O. 5438-9	2 Climacteris scandens.
O. 5261-2, 5272-3	4 Orthomyx spinicaudis.
O. 5278, 5283	2 Cacomantis flabelliformis.
O. 5440, 5442	2 Cacomantis pallida.
B. 9398	1 Scythrops novæ-hollandiæ.
B. 9403; O. 5276	2 Centropus phasianes.

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Commissioners for New South Wales, Sydney.—Collection of New South Wales Birds—*continued.*

Register Number.	Name of Specimen.
O. 4799, 4878, 5299, 5300	4 Cacatua galerita.
O. 4727, 4811-2, 4446	4 Cacatua roseicapilla.
O. 4683	1 Cacatua leadbeateri.
O. 3093-4	2 Callocephalon galeatum.
O. 5296-7	2 Calyptorhynchus solandri.
O. 5288-9, 5291	3 Calyptorhynchus funereus.
O. 3842, 3844	2 Calopsittacus novæ-hollandiæ.
O. 3820; A. 18492	2 Platycercus barnardi.
O. 5302, 5307, 5311, 9330	4 Aprosmictus scapulatus.
O. 5449, 5453, 5455, 2218	4 Platycercus pennantii.
O. 5459, 5461-2-3	4 Platycercus eximius.
O. 3792-3, 4579	3 Psephotus multicolor.
B. 7359, 7364, 7370	3 Pezoporus formosus.
O. 2227, 4805, 4807-8	4 Trichoglossus novæ-hollandiæ.
O. 2234, 2236; B. 8618, 8625	4 Trichoglossus chlorolepidotus.
O. 4465, 4595-6, 5448	4 Trichoglossus concinnus.
O. 879, 882; B. 253, 3694	4 Trichoglossus pusillus.
O. 5334-5, 5338-9	4 Megaloprepia magnifica.
O. 5341, 5344, 5348, 5351	4 Lophoiaimus antarticus.
O. 5340, 1283	2 Leucosarcia picata.
O. 3774-5; A. 9602, 9606	4 Ocyphaps lophotes.
O. 5366, 5368-9	3 Geopelia tranquila.
O. 5370-1, 5374, 5377	4 Macropygia phasianella.
O. 5381-2	2 Talegallus lathami.
1811	1 Leipoa ocellata.
284-5; O. 2302	4 Turnix varius.
O. 2221	1 Coturnix pectoralis.
O. 1878-9, 5383-4	4 Synoicus australis.
O. 1582, 5385; B. 7397	3 Excalfatoria australis.
O. 1881, 2609	2 Turnix melanotus.
B. 8448	1 Dromarus novæ-hollandiæ.
O. 141	1 Dromarus novæ-hollandiæ (young).
2010	1 Eupodotis australis.
O. 5464-5	2 Oedienemus grallarius.
O. 5466, 5468	2 Lobivanellus lobatus.
B. 10285, 10288	2 Becurvirostris rubricollis.
O. 4984	1 Grus australasianus.
O. 5391	1 Ardea pacifica.
O. 5387, 5390	2 Ardea novæ-hollandiæ.
O. 2763-4	2 Nycticorax caledonicus.
O. 5393-4-5	3 Butoroides macrorhyncha.
O. 5392	1 Butoroides flavicollis.
O. 2375-6	2 Porphyris melanotus.
O. 5410-1	2 Gallinula tenebrosa.
O. 2223, 2678	2 Fulica australis.
O. 3220, 3223	2 Parra gallinacea.
B. 8439, 9391	2 Hypotænidea phillipensis.
O. 4924	1 Cygnus atratus.
O. 4847	1 Chlamydochen jubata.
O. 4991, 4993-4	3 Casarca tadornoides.
O. 4989-90	2 Dendrocygna eytoni.
O. 4848, 4850	2 Dendrocygna vagans.
O. 4844-5, 5397, 5469	4 Anas superciliosa.
O. 4840-1-2	3 Nyroca australis.
O. 1627-8	2 Biziura lobata.
A. 17695-6	2 Stictonetta nævosa.
O. 5401, 1629	2 Anas castanea (juv.).

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Commissioners for New South Wales, Sydney.—Collection of New South Wales Birds—*continued.*

Register Number.	Name of Specimen.
O. 5403, 3159	2 Plotus novæ-hollandiæ.
O. 5029	1 Pelecanus conspicillatus.
O. 4969, 4974, 4977	3 Graculus sulcirostris
O. 5406-7-8, 4915	4 Graculus melanoleucus.
O. 4940, 4942, 4948	3 Graculus varius.
O. 4863	1 Xema novæ-hollandiæ.
O. 5402	1 Podiceps novæ-hollandiæ.
O. 2143-4	2 Puffinus sphenurus.
O. 711, 717	2 Puffinus brevicaudatus.
O. 2173-4	2 Sterna fuliginosa.
O. 2165, 2169	2 Anous stolidus.
O. 4212	1 Sterna bergi.
A. 3381	1 Ossifraga gigantea.
O. 5493	1 Casuarius australis.

1288. COMMISSIONERS FOR NEW SOUTH WALES, Sydney.

Collection of New South Wales Mammals, prepared by the Trustees of the Australian Museum, Dr. E. P. Ramsay, Curator.

Register Number.	Name of Specimen.
M. 643	1 Macropus giganteus, Zimm.
M. 662, 750, 751	3 Macropus robustus, Gld.
M. 629, 636, 752-3	4 Macropus rufus, Desm.
M. 754-5	2 Macropus ualabatus, Less & Garn.
M. 756-7-8	3 Macropus ruficollis, Desm.
M. 759	1 Macropus dorsalis, Gray.
M. 760-1-2-3	4 Macropus wilcoxi, M'Coy.
M. 401	1 Macropus thetidis, Less.
M. 715, 90	2 Petrogale penicillata, Gray.
M. 567	1 Lagorchestes leporoides, Gld.
M. 764, 697	2 Bettongia Gaimardi, Desm.
M. 742	1 Petaurus australis, Shaw.
M. 200, 325	2 Petaurus breviceps, Waterh.
M. 765-6	2 Petauroides volans, Kerr.
M. 767-8-9	3 Trichosurus vulpeecula, Kerr.
B. 8400	1 ,, ,, ,, white variety.
M. 770-1-2	3 Phascolaretos cinereus, Goldf.
M. 773-4	2 Phascolomys mitchelli, Owen.
M. 775-6	2 Perameles nasuta, Geoffr.
M. 585, 777	2 Dasyurus maculatus, Kerr.
M. 640, 725, 778	3 Dasyurus viverrinus, Geoffr.
M. 685	1 Pteropus poliocephalus, Temm.
M. 702, 586	2 Hydromys chrysogaster, Geoffr.
B. 2293, M. 312	2 Canis dingo, Blumenb.
S. 357-8	2 Phascolomys mitchelli, Owen. (Skeletons from the skins, M. 774, 773.)
M. 779	1 Peragale lagotis, Reid. (Mounted.)
M. 780	1 Echidna aculeata, Shaw. (Mounted.)
M. 781-2-3-4	4 Ornithorynchus anatinus, Shaw. (Mounted.)
B. 8446, M. 785	2 Acrobates pygonaeus, Shaw. (In alcohol.)

1289. COMMISSIONERS FOR NEW SOUTH WALES, Sydney.

Series of Photographs, illustrating New South Wales Animals and Birds, prepared by the Government Printer (Charles Potter).

417. An Emu.
418. Male Kangaroo.
419. Female Kangaroo and young.
420. The Lyre-bird.
421. Do.
422. Kingfisher or Laughing Jackass.
423. Duck-billed Platypus.
424. The Native Cat.
425. The Native Bear.
426. An Opossum.

1290. COMMISSIONERS FOR NEW SOUTH WALES, Sydney.

Birds of Australia (mounted and framed), by J. Gould, F.L.S, &c.

1. Neomorpha gouldii.
2. Psophodes crepitans.
3. Sphenostoma cristatum.
4. Menura superba.
5. Malurus cyaneus.
6. Malurus longicaudus.
7. Malurus melanotus.
8. Malurus splendens.
9. Malurus leucopterus.
10. Malurus lamberti.
11. Malurus elegans.
12. Malurus melanocephalus.
13. Malurus brownii.
14. Stipiturus malachurus.
15. Amytis textilis.
16. Amytis striatus.
17. Erythrogonys cinctus.
18. Falco hypoteucus.
19. Falco melanogenys.
20. Falco frontatus.
21. Dicæum hirundinaceum.
22. Falcunculus frontatus.
23. Falcunculus leucogaster.
24. Lopholaimus antarcticus.
25. Estrelda bichenovii.
26. Estrelda annulosa.
27. Nestor productus.
28. Platycercus palliceps.
29. Euphema bourkii.
30. Dasyornis australia.
31. Dasyornis longirostris.
32. Porphyrio bellus.
33. Anas nævosa.
34. Phalacrocorax punctatus.
35. Aquila fucosa.
36. Aquila morphnoides.
37. Merops ornatus.
38. Geophaps scripta.
39. Geophaps smithii.
40. Geophaps plumifera.
41. Ptilinopus swainsonii.
42. Ptilinopus ewingii.
43. Epthianura aurifrons.
44. Epthianura tricolor.
45. Estrelda ruficauda.
46. Donacola castaneothorax.
47. Donacola pectoralis.
48. Emblema picta.
49. Platalea regia.
50. Platalea flavipes.
51. Nymphicus novæ-hollandiæ.

1291. DURHAM, J. B., Sydney.

1. Letter from H.R.H. the Prince Consort, appointing Mr. Durham a Juror for the First Great International Exhibition of 1851.
2. Letter from H.R.H. the Prince Consort, remitting Commemoration Medal, and thanking Mr. Durham for his services as Juror.
3. Letter from Mr. N. S. Dodge, Acting Commissioner for the United States, requesting an interview for the purpose of ascertaining whether all United States exhibits have been examined.

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1292. **KEMP, Arthur Percy, Tozer-street, West Kempsey.**

Collection of Australian Birds' Eggs, with Nests, &c.

1293. **KEMP, Arthur Percy, Tozer-street, West Kempsey.**

Collection of Preserved Snakes in bottles, comprising—Deaf Adders, Whip, Black, Banda Banda, and Carpet Snakes, &c.

1294. **MAIDEN, J. H., F.L.S., &c., Technological Museum, Sydney.**

Herbarium of New South Wales Plants, mounted on cardboard, in 12 large vols.

VOL. I.

PITTOSPOREÆ.

No.
1. Pittosporum undulatum, Vent.
2. Do revolutum, Ait.
3. Do phillyraeoides, DC.
4. Hymenosporum flavum, F. v. M.

No.
5. Bursaria spinosa, Cav.
6. Marianthus procumbens, Benth.
7. Citriobatus multiflora, A. Cunn.
8. Billardiera scandens, Sm.

STERCULIACEÆ.

9. Sterculia quadrifida, R. Br.
10. Do diversifolia, G. Don.
11. Lasiopetalum parviflorum, Rudge,
12. Tarrietia argyrodendron, Benth.
13. Rulingia pannosa, R. Br.
14. Commerçonia Fraseri, J. Gay,
15. Do echinata, Forst.
16. Lasiopetalum ferrugineum, Sm.

TILIACEÆ.

17. Corchorus Cunninghamii, F. v. M.
18. Echinocarpus (Sloanea) Woollsii, F. v. M.
19. Echinocarpus australis, F. v. M.
20. Elæocarpus obovatus, G. Don.
21. Do cyaneus, Ait.
22. Do grandis, F. v. M.

RUTACEÆ.

23. Zieria lævigata, Sm.
24. Do pilosa, Rudg.
25. Do obcordata, A. Cunn.
26. Do Smithii, Andr.
27. Do do
28. Boronia ledifolia, J. Gay,
29. Do mollis, A. Cunn.
30. Do pinnata, Sm.
31. Do polygalifolia, Sm.
32. Do anemonifolia, A. Cunn.
33. Do serrulata, Sm.
34. Do Barkeriana, F. v. M.
35. Crowea (Eriostemon) saligna, Andr.
36. Eriostemon salicifolius, Sm.
37. Do trachyphyllus, F. v. M.
38. Do myoporoides, DC.
39. Do hispidulus, Sieb.
40. Do buxifolius, Sm.
41. Do scaber, Paxt.

VOL. II.

42. Eriostemon difformis, A. Cunn.
43. Phebalium dentatum, Sm.
44. Do diosmeum, A. Juss.
45. Do glandulosum, Hook.
46. Do squamulosum, Hook.
47. Do Billardieri, A. Juss.
48. Do Coxii, F. v. M.
49. Do Carruthersi, F. v. M.
50. Philotheca Reichenbachiana, Sieb.
51. Do australis, Rudge.
52. Asterolasia correifolia, Benth.
53. Correa alba, Andr.
54. Do speciosa, Andr.
55. Do Bauerlenii, F. v. M.
56. Bosistoa sapindiformis, F. v. M.
57. Melicope (Bouchardatia) neurococca, Benth.
58. Evodia micrococca, F. v. M.
59. Do accedens, Blume.
60. Medicosma (Evodia) Cunninghamii Hk.
61. Zanthoxylum brachyacanthum F. v. M.
62. Geijera parviflora, Lindl.
63. Pentaceras australis, Hook.
64. Acronychia Baueri, Schott.
65. Do lævis, R. & C. Forst.
66. Do do do
67. Micromelum pubescens, Blume,
68. Halfordia drupifera, F. v. M.
69. Citrus australasica, F. v. M.

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VOL. II—*continued.*

MELIACEÆ.

No.
70. Melia azederach, Linn.
71. Dysoxylon Muelleri, Benth.
72. Synoum glandulosum, Juss.
73. Owenia cepiodora, F. v. M.
74. Flindersia australis, R. Br.
75. Do Oxleyana, F. v. M.
76. Do Bennettiana, F. v. M.

RHAMNEÆ.

77. Alphitonia excelsa, Reiss.
78. Pomaderris lanigera, Sims.
79. Do elliptica, Labill.
80. Pomaderris apetala, Labill.
81. Cryptandra ericifolia, Sm.
82. Do amara, Sm.

VOL. III.

SAPINDACEÆ.

83. Cupania anacardioides, A. Rich.
84. Do pseudorhus, A. Rich.
85. Do xylocarpa, A. Cunn.
86. Ratonia (Cupania) pyriformis, Benth.
87. Cupania stipitata, Benth.
88. Nephalium leiocarpum, F. v. M.
89. Akania Hillii, Hook.
90. Dodonæa triquetra, Wendl.
91. Do viscosa, var. angustifolia.
92. Do cuneata, Rudg.
93. Do pinnata, Sm.
94. Do multijuga, G. Don,

LEGUMINOSÆ.

95. Oxylobium ellipticum, R. Br.
96. Do cordifolium, Andr.
97. Do scandens, Benth.
98. Do trilobatum, F. v. M.
99. Mirbelia reticulata, Sm.
100. Gompholobium latifolium, Sm.
101. Do Huegelii, Benth.
102. Do grandiflorum, Sm.
103. Jacksonia scoparia, R. Br.
104. Sphærolobium vimineum, Sm.
105. Viminaria denudata, Sm.
106. Daviesia Wyattiana, Bailey.
107. Do latifolia, R. Br.
108. Do corymbosa, Sm.
109. Do squarrosa, Sm.
110. Daviesia ulicina, Sm.
111. Do acicularis, Sm.
112. Do genistifolia, A. Cunn.
113. Aotus villosa, Sm.
114. Do lanigera, A. Cunn.
115. Phyllota phylicoides, Benth.
116. Pultenæa daphnoides, Wendl.
117. Do retusa, Sm.
118. Do scabra, R. Br.
119. Do stipularis, Sm.
120. Do villosa, Willd.
121. Do altissima (flexilis), F. v. M.
122. Do flexilis, F. v. M. (normal).
123. Do elliptica, Sm.

VOL. IV.

LEGUMINOSÆ.

124. Pultenæa villifera, Sieb.
125. Dillwynia ericifolia, Sm.
126. Do floribunda, Sm.
127. Do juniperina, Sieb.
128. Platylobium formosum, Sm.
129. Bossiæa Kiamensis, Benth.
130. Do foliosa, A. Cunn.
131. Do prostrata, R. Br.
132. Do microphylla, Sm.
133. Bossiæa heterophylla, Vent.
134. Do scolopendria, Sm.
135. Do Walkeri, F. v. M.
136. Templetonia egena, Benth.
137. Hovea longifolia, R. Br. (var. lanceolata).
138. Goodia lotifolia, Salisb.
139. Lotus australis, Andr.
140. Indigofera australis, Willd.
141. Millettia (Wistaria) megasperma, F. v. M.
142. Millettia (Wistaria) Maideniana, Bail.
143. Aeschynomene indica, Linn.
144. Desmodium acanthocladum, F. v. M.
145. Do polycarpon, DC.
146. Kennedya prostrata, R. Br.
147. Hardenbergia monophylla, Benth.
148. Canavalia obtusifolia, DC.
149. Derris scandens, Benth.
150. Castanospermum australe, A. Cunn.
151. Guilandrina bonducella, Linn.
152. Mezoneurum brachycarpum, Benth.
153. Cassia australis, Sims.
154. Do eremophila, A. Cunn.
155. Do mimosoides, Linn.
156. Pithecolobium pruinosum, Benth.
157. Acacia triptera, Benth.
158. Do trinervata, Sieb.
159. Do colletioides, A. Cunn.
160. Do juniperina, Willd.
161. Do oxycedrus, Sieb.
162. Do rigens, A. Cunn.
163. Do pugioniformis, Wendl.

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VOL. V.

No.
164. Acacia conferta, A. Cunn.
165. Do armata, R. Br.
166. Do hispidula, Willd.
167. Do verniciflua, A. Cunn.
168. Do stricta, Willd.
169. Do falcata, Willd.
170. Do penninervis, Sieb.
171. Do neriifolia, A. Cunn.
172. Do suaveolens, Lindl.
173. Do linifolia, Willd.
174. Do prominens, A. Cunn.
175. Do brachybotrya, Benth.
176. Do vestita, Ker.
177. Do pravissima, F. v. M.
178. Do myrtifolia, Willd.
179. Do elongata, Sieb.
180. Do homalophylla, A. Cunn.
181. Do pendula, A. Cunn.
182. Do Oswaldi, F. v. M.
183. Do melanoxylon, R. Br.
184. Do implexa, Benth.

No.
185. Acacia binervata, DC.
186. Do longifolia, var.
187. Do do Willd.
188. Do linearis, Sims,
189. Do cyperophylla, F. v. M.
190. Do aneura, F. v. M.
191. Do doratoxylon, A. Cunn.
192. Do glaucescens, Willd.
193. Do Maidenii, F. v. M.
194. Do Cunninghamii, Hook.
195. Do discolor, Willd.
196. Do decurrens, Willd; var. normalis.
197. Acacia decurrens, var., mollis.
198. Do do var., Leichhardti.
199. Do do var., pauciglandulosa.
200. Acacia dealbata, Link.
201. Do pubescens, R. Br.
202. Do Baileyana, F. v. M.

SAXIFRAGEÆ.

203. Abrophyllum ornans, Hook.
204. Quintinia Sieberi, DC.
205. Polyosma Cunninghamii, J. J. Benn.
206. Callicoma serratifolia, Andr.
207. Aphanopetalum resinosum, Endl.

VOL. VI.

208. Ceratopetalum gummiferum, Sm.
209. Do apetalum, Don,
210. Weinmannia rubifolia, Benth.
211. Do Benthami, F. v. M.
212. Weinmannia Benthami, F. v. M.
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1295. MAIDEN, J. H., F.L.S., &c., Technological Museum, Sydney.

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1296. WATSON, A. E., Circular Quay, Sydney.

Water-colour Drawings of Australian Birds, by Neville Cayley.

1. Wood Duck
2. Black Duck.
3. Avocats.
4. Pigeons.
5. Curlew.
6. Wrens.
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Group CLVI.—Social, Industrial, and Co-operative Associations.

CLASS 912.—Social Organisations: Clubs—Political, Military, University, Travellers'; Press Clubs, Science Clubs, and others.

1297. COMMISSIONERS FOR NEW SOUTH WALES, Sydney,

The Social, Industrial, and Co-operative Associations in New South Wales,—a pamphlet, edited by E. W. O'Sullivan, M.L.A.

Group CLVII.—Religious Organisations and Systems. Statistics and Publications.

CLASS 921.—Missionary Societies, Missions and Missionary Work; Maps, Reports, Statistics.

1298. AUSTRALASIAN WESLEYAN METHODIST MISSIONARY SOCIETY, Sydney.

Reports, &c.

Department L.—Liberal Arts, Education, Literature, &c.

Group CLVIII—Classes 926 and 938: Music, the Theatre, and the Drama.

Group CLVIII.—Music and Musical Instruments. The Theatre.

CLASS 926.—History and Theory of Music.—Music of Primitive People; Crude and Curious Instruments; Combinations of Instruments, Bands, and Orchestras; Music Books and Scores; Musical Notation.

History and Literature of Music; Portraits of great Musicians.

1299. **DREWE, Amelia, "Bonaira," 103, Pyrmont Bridge Road, Sydney.**

Album containing Musical Compositions—Waltz and Schottische.

1300. **DREWE, Arthur J., "Bonaira," 103, Pyrmont Bridge Road, Sydney.**

"Masonic Musical Ritual," by A. J. Drewe, Grand Director of Music.

CLASS 938.—The Theatre and the Drama; the Stage—Plans and Models of Stages and Theatres.

History of the Drama, as far as can be shown by literary record; Portraits of Actors; Relics of Actors.

Playbills, &c.; Costumes, Masks, Armour; Scenery; Appliances of Illusion, &c.; Plays of all Ages and Peoples.

1301. **COMMISSIONERS FOR NEW SOUTH WALES, Sydney.**

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